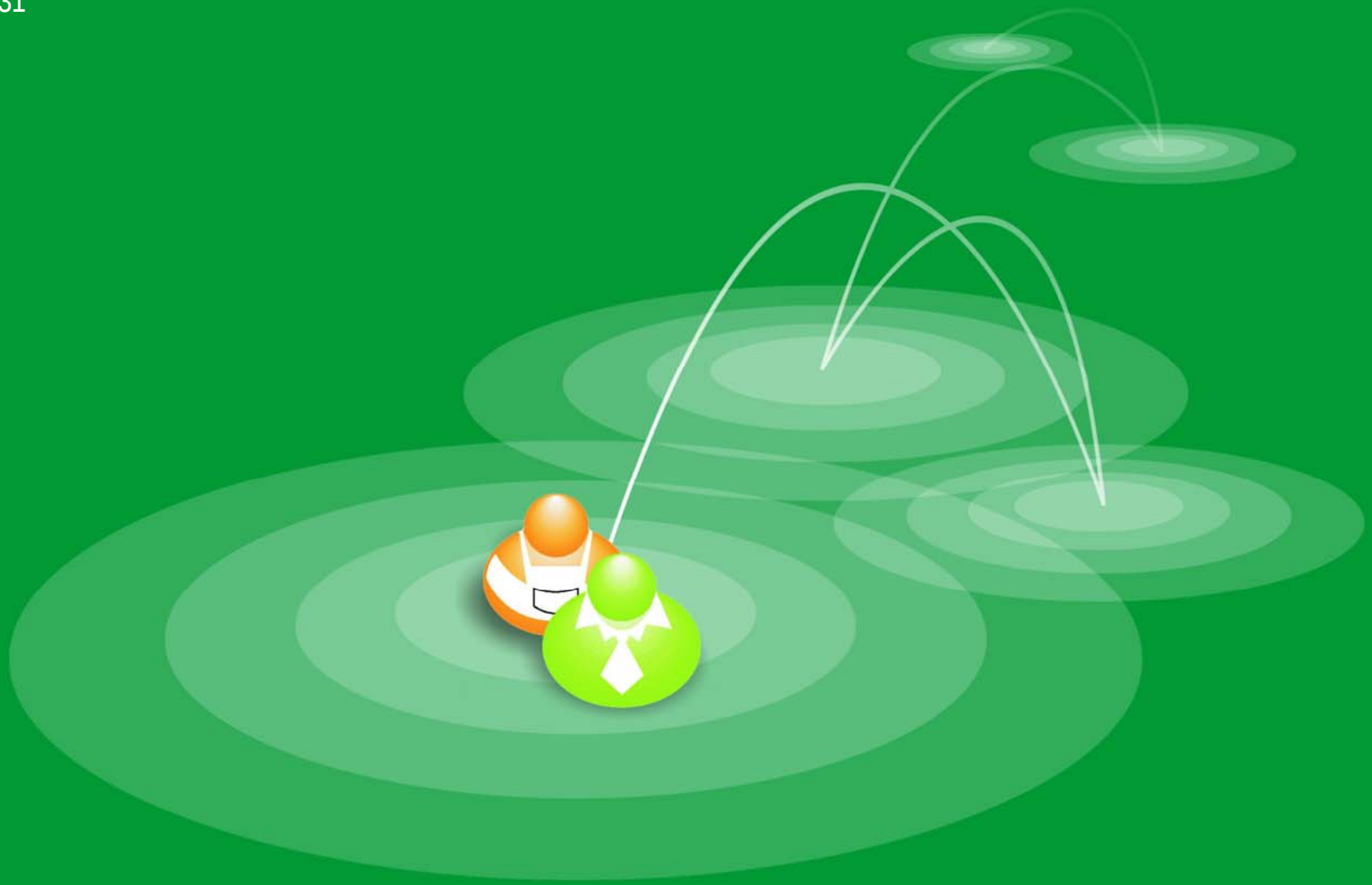
# FreePP BOX

## User Guide V1.31

Model: V-1120

http://www.freepp.com



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This guide has been written to be understood easily and the following typographic conventions and symbols are used throughout this document:

| | |
|---|---|
| | Very important information. Failure to observe this may result in damage. |
| | Important information that should be observed. |
| | Additional information that might be helpful. |

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- Frequently Asked Questions (FAQ).
- Feedback section to leave your message.
- Download area for the latest software, user documentation and product updates.

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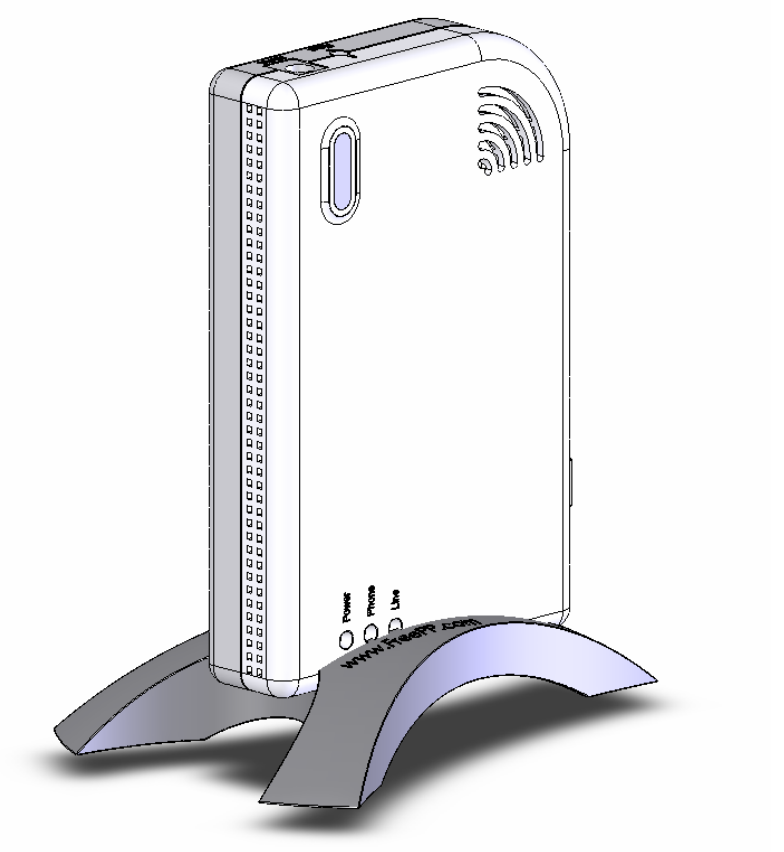
# Chapter 1: Introduction

Thank you for choosing the FreePP BOX. This BOX will allow you to make and receive phone calls through FreePP network using your existing broadband connection.

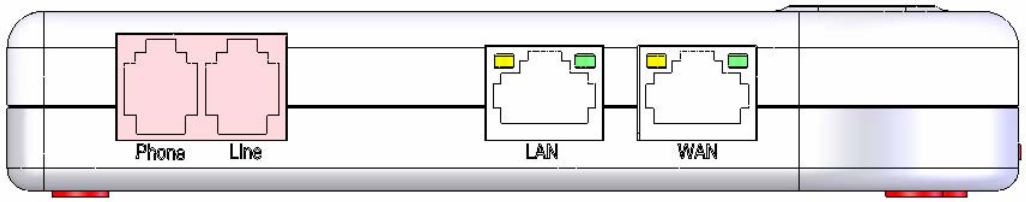
What's in this Guide?
This user guide contains the steps for installing the FreePP BOX.

- Chapter 1: Introduction
- Chapter 2: Getting to Know the BOX
- Chapter 3: Connecting the BOX
- Chapter 4: Configuring the BOX using BOX Installer
- Chapter 5: Place and receive calls
- Chapter 6: Add FreePP Credit



# Chapter 2: Getting to Know the BOX

## Front Panel Connectors



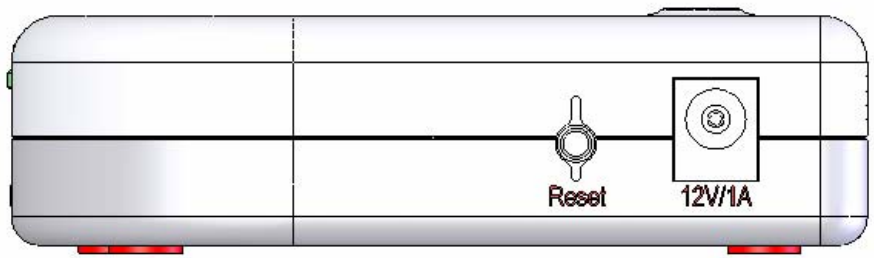

| Connector | Description |
|---|---|
| PHONE | The PHONE port allows you to connect your telephone to the BOX using a RJ-11 telephone cable. |
| LINE | The LINE port allows you to connect the BOX to a telephone wall jack, by which you also can receive telephone service from your local phone company. |
| LAN | The LAN port allows you to connect the BOX to your PC or Hub using a Cat.5 Ethernet network cable. |
| WAN | The WAN port allows you to connect the BOX to your modem or router using a Cat.5 Ethernet network cable. |

| | |
|---|---|
| ! | We recommend that the BOX should be properly connected to Public Switched Telephone Network (PSTN) in order to continue receiving the service from your local telephone operator. |

## LED Indications

| LED | Color | Description |
|---|---|---|
| Power | Green | It lights up when the BOX is powered on. |
| Phone | Green | It lights up when you pick up the receiver and make calls. It goes off when the phone is hung up. |
| Line | Green | It lights up when a valid connection of POTS is established. |
| On-line | Blue | It is solidly lit when your service account is active and connection is registered successfully. |
| Ethernet | Green | Link and data transmission |
| | Orange | 10/100M connection established |

| | |
|---|---|
| ! | POTS stands for Plain Old Telephone System. |



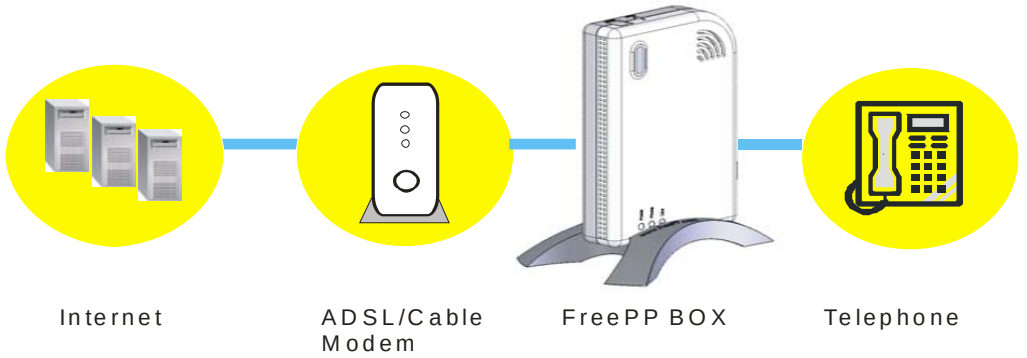

| Port | Description |
|---|---|
| Power | The power port is where you connect the included power adapter. |
| Reset | Reset or reboot this device. |

| | |
|---|---|
| ! | When the button is pressed, the BOX will reboot. When the button is pressed for 5 seconds, the BOX will reboot and restore the default settings. |

# Chapter 3: Connecting the BOX

## Overview

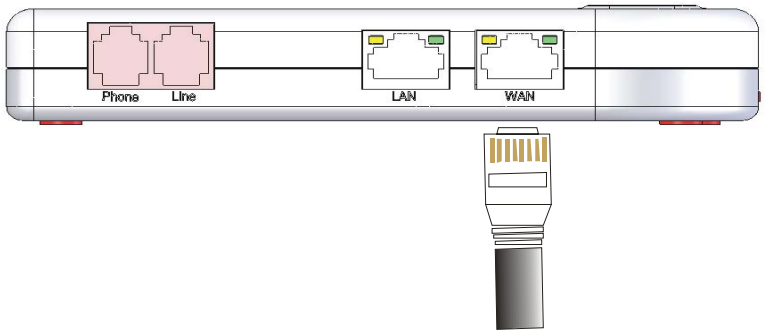
This chapter gives connection guidelines on how to connect FreePP BOX to your network and telephone. A typical connection diagram is shown at the right.



# Instructions for connecting the BOX

**Step 1:**

Locate the port, **WAN** on BOX. Connect the Ethernet cable running from your DSL/Cable Modem to the “WAN” port of the BOX.



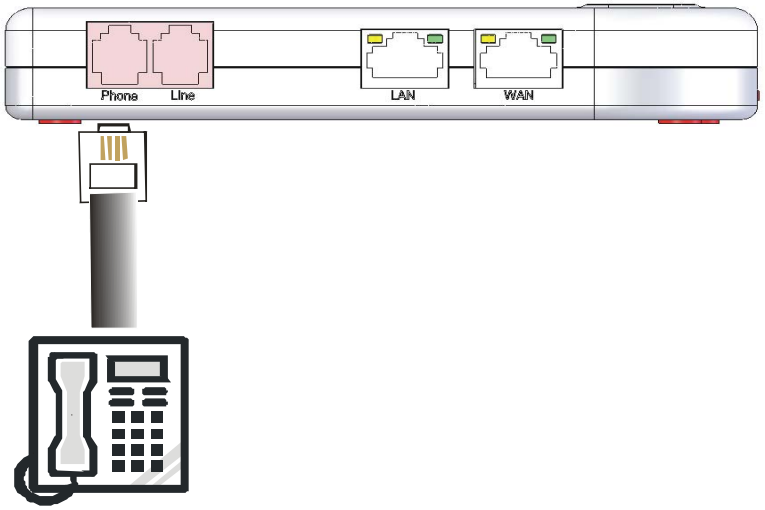

**Step 2:**

Plug one end of the new Ethernet cable into the **LAN** port on BOX, the other end into the network port of your PC/Laptop.

| | |
|---|---|
| ! | You can skip Step 2 if you do not want to connect your PC/Laptop to BOX. The BOX can work properly without PC/Laptop. |

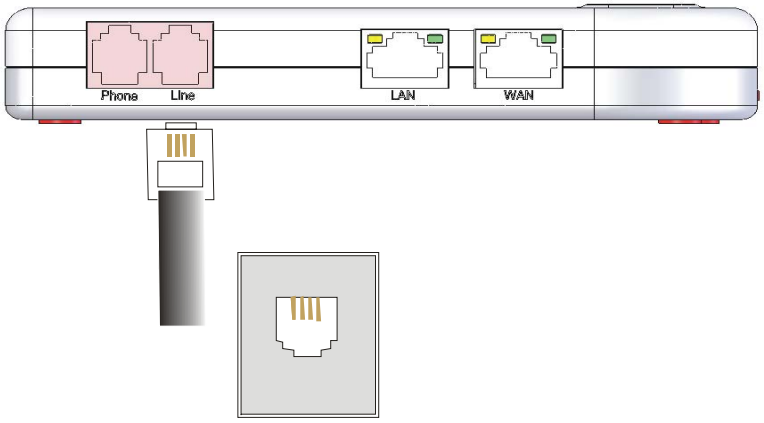
**Step 3:**

Connect a standard telephone to the **PHONE** port of BOX using a standard phone cable provided.



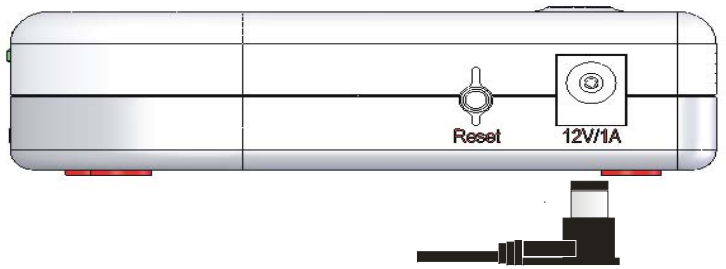

**Step 4:**

Plug one end of a standard phone cable into the **LINE** port of BOX, the other end into the phone jack on a wall.



**Step 5:**

Plug the power cord into the power jack (**12V/1A**) and into an electrical outlet. Please wait approximately 30 seconds for booting up the BOX.




**Step 6:**

Turn on all other devices, such as PC and DSL/Cable Modem. After BOX is authenticated successfully, the blue on-line light at the top right will be on.

**Step 7:**

Once the BOX has completed its start up cycle, a solid blue light will appear for service ready. To ensure the service is working, pick up your telephone handset and listen for dial tone. When you hear dial tone, you may start making and receiving calls.

| | |
|---|---|
| | If On-line LED is not lit, it means the network configuration of BOX is incorrect. Please refer to the Chapter 4: Configuring the BOX using BOX Installer. |

| | |
|---|---|
| | In some particular network, MAC authentication is enabled, so you have to inform the network administrator about the MAC address of your BOX. |

# Chapter 4: Configuring the BOX using BOX Installer

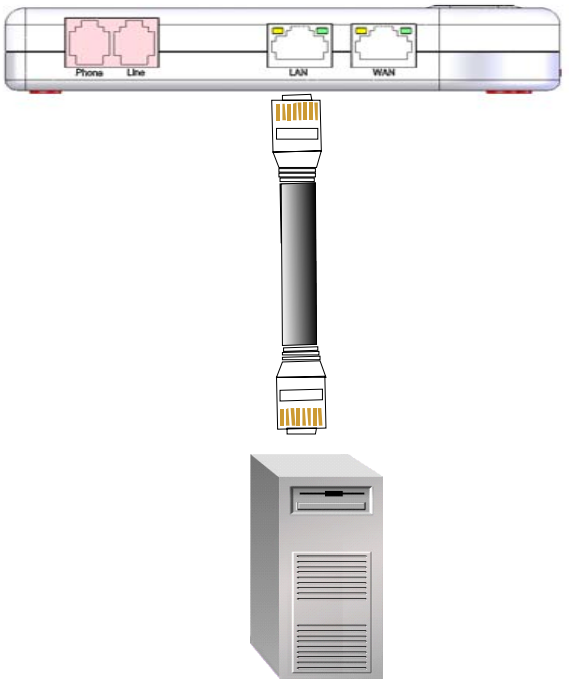
## Overview

You can use BOX Installer to configure the BOX's network settings. In some cases, you may need to change these settings depending on your local network environment. Using the BOX Installer, the wizard will guide you through the whole setup procedure.

| | |
|---|---|
| | You can find the FreePP BOX installer in the product CD or go to **HELP** page at FreePP website, http://www.freepp.com to download the latest version. |

# Using FreePP BOX Installer

1. Connect an Ethernet cable to LAN port of BOX and your computer.
2. Install the FreePP BOX Installer into your computer and wizard will guide you through the setup procedure.
3. Double click the icon of FreePP BOX Installer on desktop to execute the program or choose **Start > All Programs > FreePP > FreePP Box Lite > Box Lite Wizard**



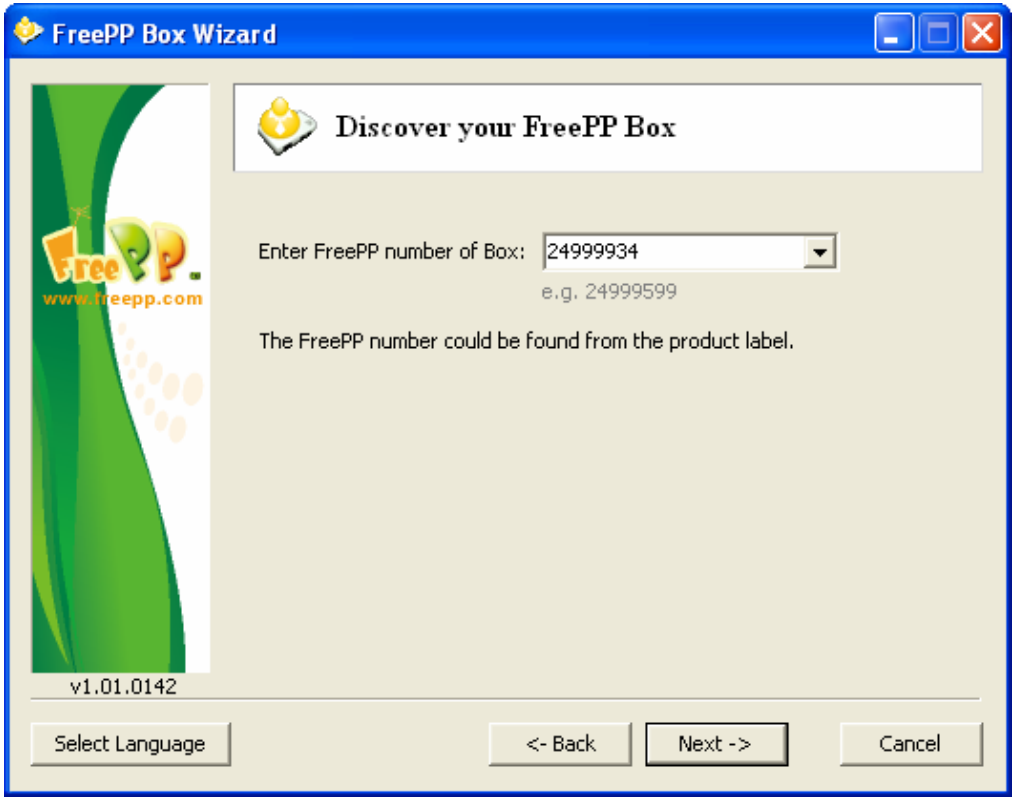
4. A welcome page will be shown on your computer. Click the **Next** button to start the configuration procedure.

FreePP Box Wizard
Welcome to FreePP Box Wizard
This wizard will help you:
* Configure FreePP Box for connecting FreePP Network;
* Change the password of FreePP Box;
* Upgrade the firmware of FreePP Box;
* Tune the voice volume of FreePP Box;
Before the next step, you should:
* Power on the FreePP Box;
* Connect your computer to Configuration port of Box;
* Close other FreePP Box Wizard application;
Click "Next" to continue.
www.freepp.com
v1.01.0142
Select Language
<- Back
Next ->
Cancel

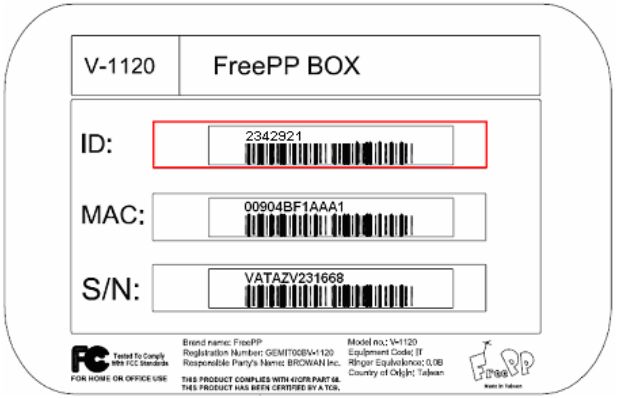
| | |
|---|---|
| ! | The BOX is set as DHCP client by default. |

# Enter FreePP Number (ID) of the BOX

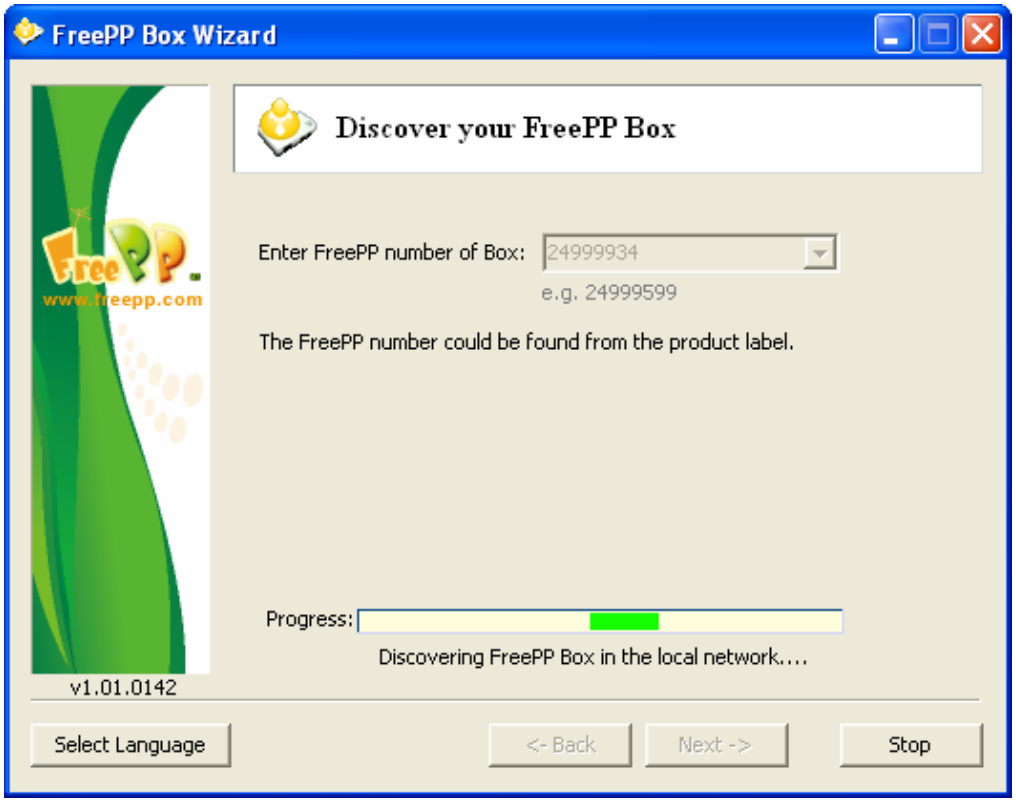
1. Enter the FreePP number (ID) of the BOX.



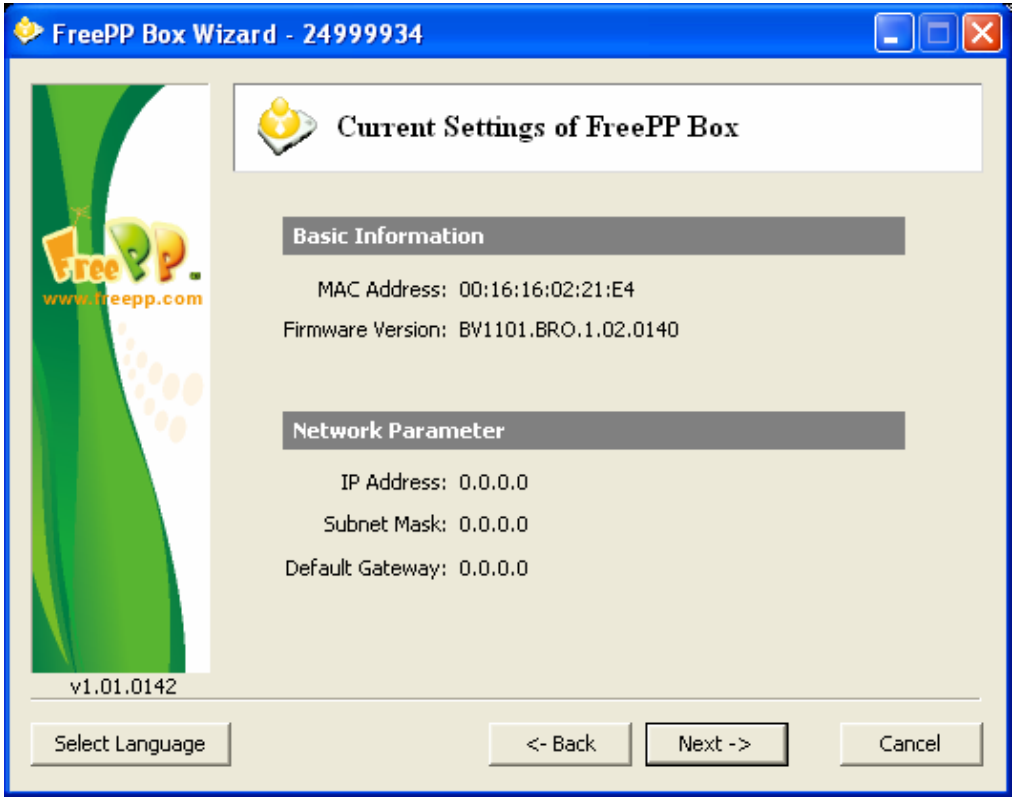
2. You could find the ID on the product label at the back of BOX.



3. Click the **Next** button to search the BOX automatically.



4. Installer will display the **current settings** of your FreePP BOX.



# What would you like to do?

There are four options available to configure your BOX:

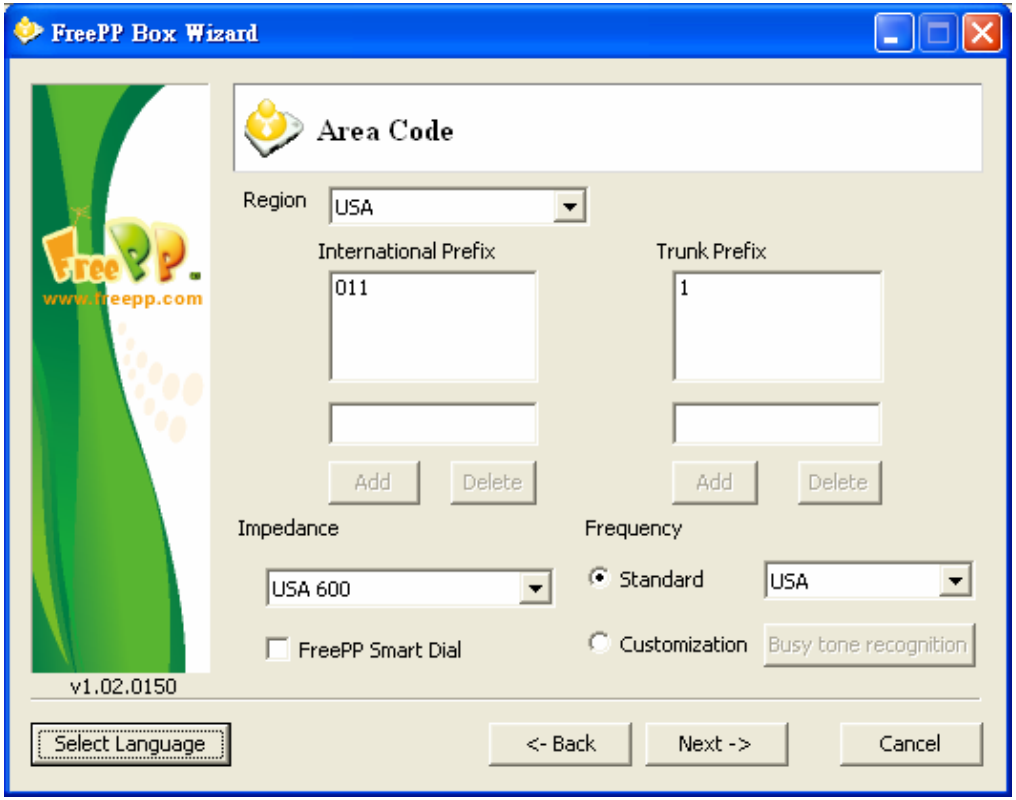
1. Setup the network parameters
2. Change the password
3. Upgrade the firmware
4. To tune voice volume

FreePP Box Wizard - 24999934
What would you like to do?
Setup the basic parameters of FreePP Box;
Setup the basic parameter to connect the Network in order to get the higher voice quality through FreePP Network.
Change the password of FreePP Box;
To protect your FreePP Box from unauthorized access, you should change its password frequently.
Upgrade the firmware of FreePP Box;
Keep your FreePP Box up-to-date with the newest features and patches.
To Tune Voice Volume of FreePP Box;
Setup the Speakerphone volume and Earphone volume.
www.freepp.com
v1.01.0142
Select Language
<- Back
Next ->
Cancel

# Setup the network parameters | Area Code

While use FreePP OUT service, you need to dial “00” and “country code” before “telephone number”. To keep the same dialing plan you are familiar with, you could check on the checkbox to enable **FreePP smart dial.** You must setup the correct information about your area settings after you enable the FreePP smart dial.

1. Please select your **Region**.
2. Add the **International Prefix** and **Trunk Prefix** if necessary.
3. Set up the **Impedance** and **Frequency** based on your local area.

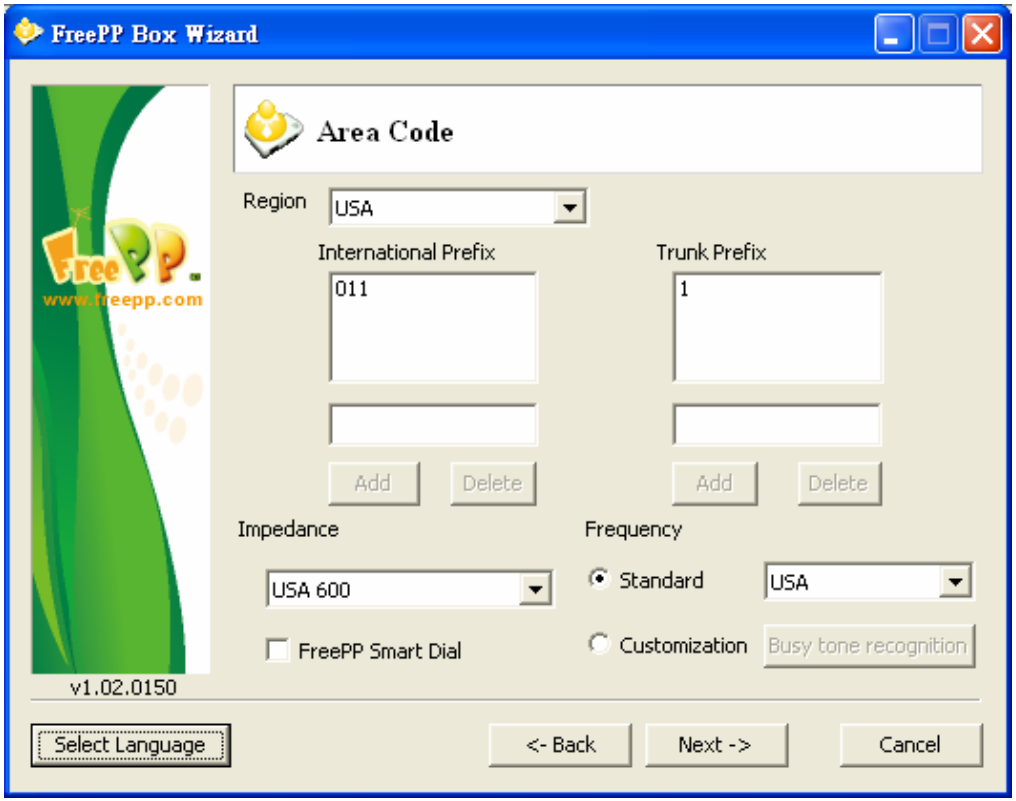



With PSTN line attached to the BOX, press * (press the star key one time) to switch to FreePP mode. If you want to place a long distance call via FreePP OUT service, just dial “area code”+”telephone number” directly after the tone. You will hear the voice response and know your available credit and then hear a ring back tone before the called person answers the phone.

| | |
|---|---|
| ! | In general, without smart dial enabled, the dialing plan of FreePP OUT is as follows:<br>Dial **00 country code area code phone number**<br>For example: call White House, United States (Tel: +1-202-456-1111), please dial: 0012024561111.<br><br>With smart dial enabled, the dialing plan of FreePP OUT is as follows:<br>Dial **area code phone number**<br>For example: call White House, United States (Tel: +1-202-456-1111), please dial: 12024561111. |

# Busy Tone Recognition

The purpose of the **Busy Tone recognition** is to learn the busy tone from your local telephone service. And the **Busy Tone recognition** is highly recommended.



There are two ways to connect the Box for **Busy Tone recognition** setting: by either PSTN or PBX.

1. PSTN

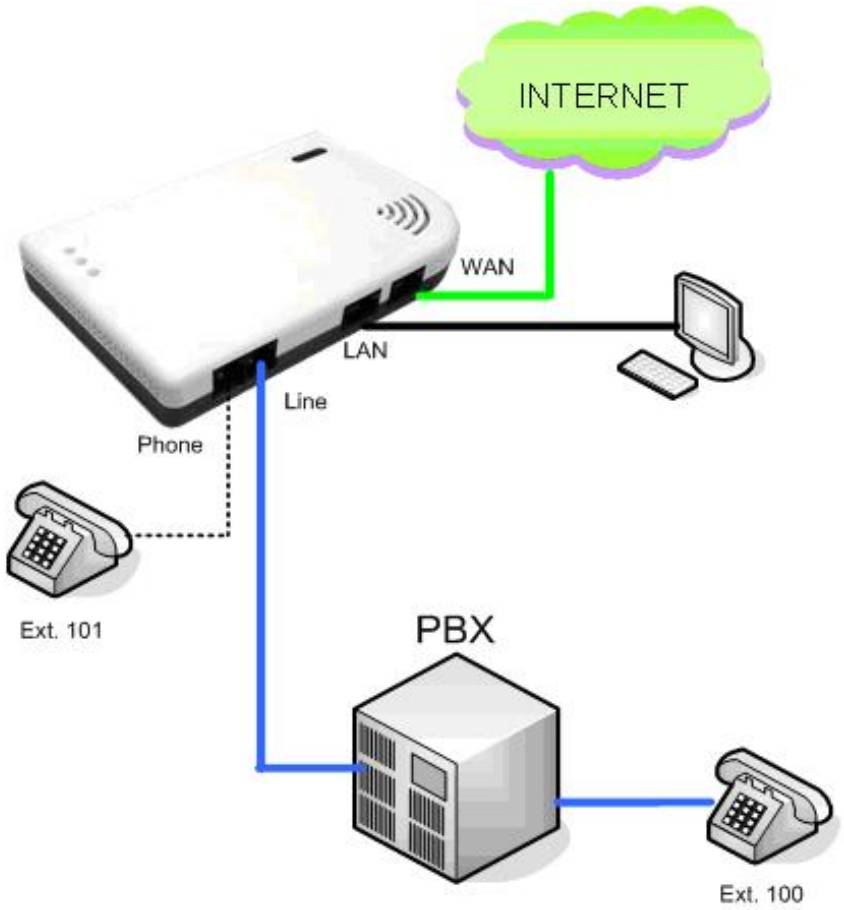
The figure shown is for **PSTN** (Public Switched Telephone Network) connection.

To process the **Busy Tone recognition,** you could use another PSTN number to call the PSTN number which connected with your box after your connection established. (**Ex.** The figure shown you could use the Telephone: 01-12340000 to call the Telephone: 01-12341111.)

2. PBX

The figure shown is for **PBX** (Private Branch (telephone) Exchange) connection.

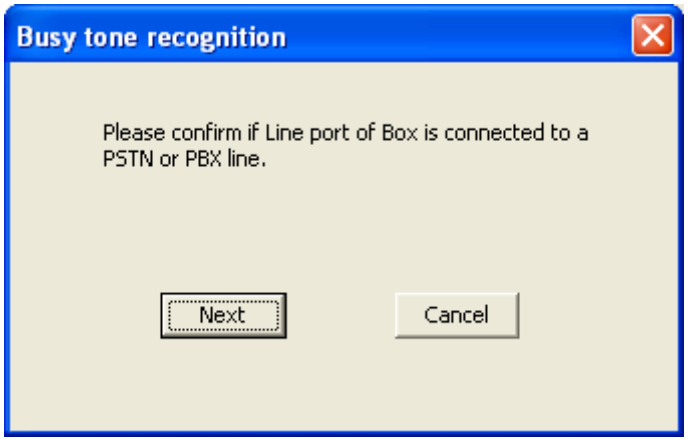
To process the **Busy Tone recognition**, you could another extension number to call the extension number which connected with your box after your connection established. (**Ex.** The figure shown you could use Ext.100 to call the Ext. 101.)



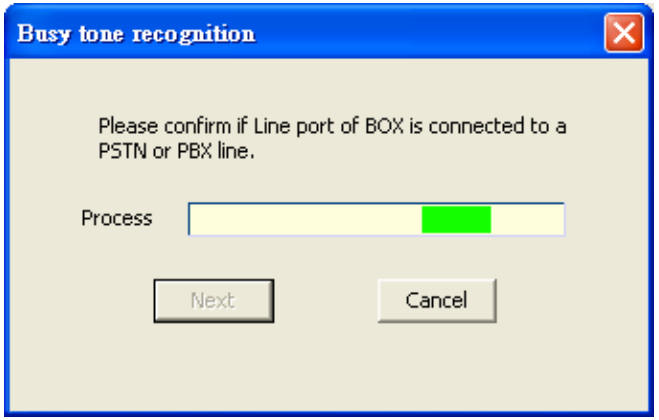
Steps to do **Busy Tone recognition**

The following are the steps of **Busy Tone recognition.**

Step 1:
Before go to busy tone recognition, please make sure the Line port of BOX is connected to a line of PSTN or PBX and Phone port of BOX is connected with a telephone.



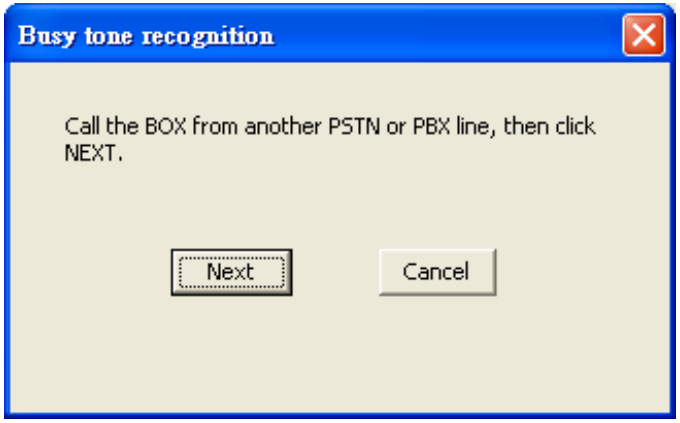

Processing



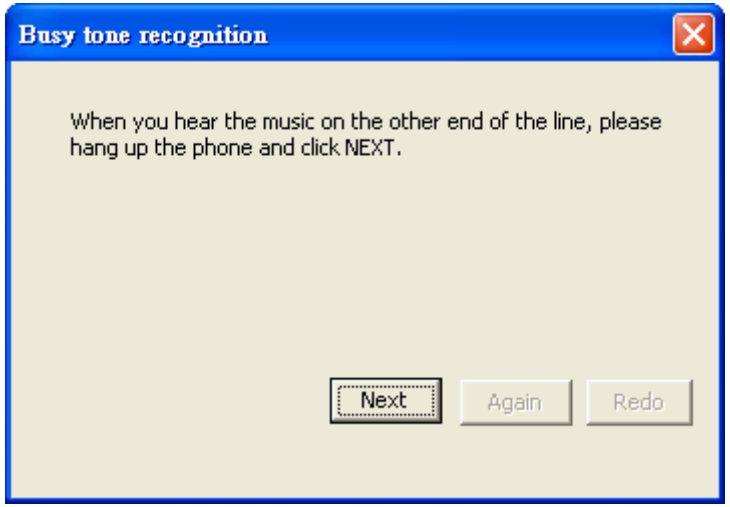
Step 2:

Please use another **PSTN** or **PBX** line to call the Box.

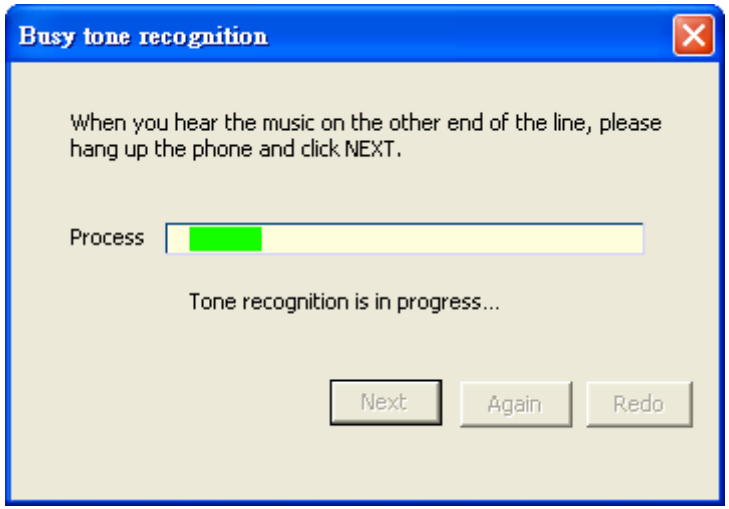
**Ex.** If the PSTN line (01-12340000) or PBX line (Ext #101) is attached to the BOX shown on above figures, please use another line to call the BOX.




Step 3:

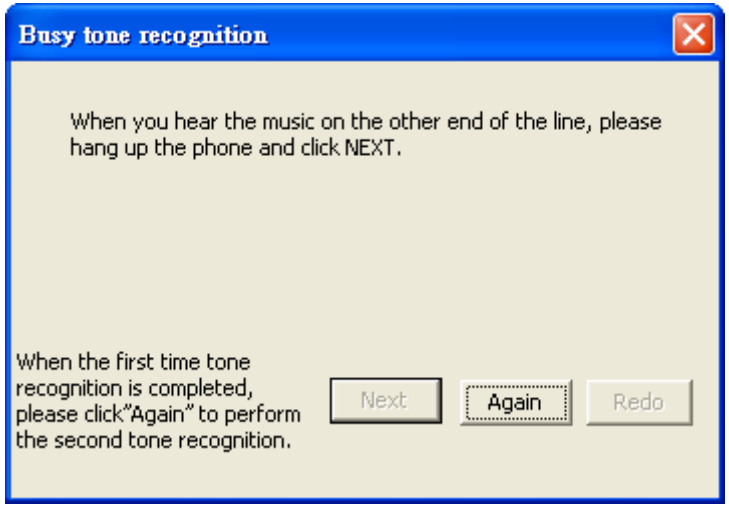

Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Next
Again
Redo

Processing

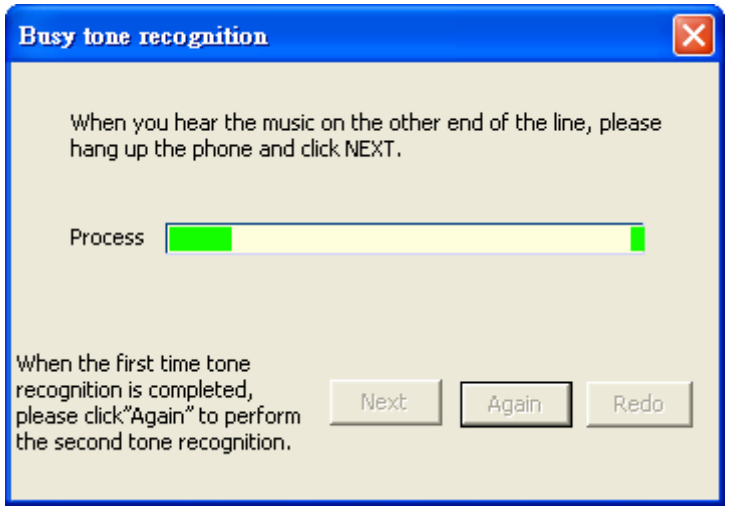

Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Process
Tone recognition is in progress...
Next
Again
Redo

Step 4:

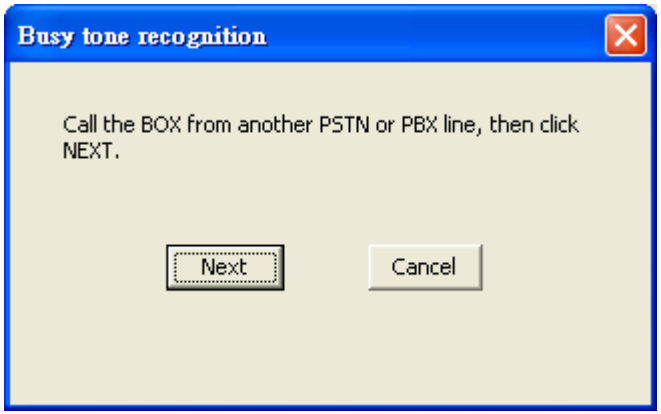
The **First Tone Recognition** is completed. Please click the Again button to start the second tone recognition.


Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
When the first time tone recognition is completed, please click"Again" to perform the second tone recognition.
Next
Again
Redo

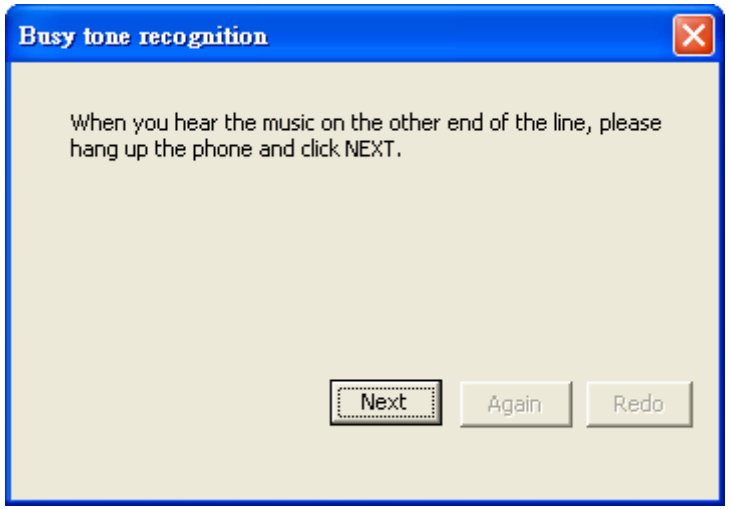
Processing


Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Process
When the first time tone recognition is completed, please click"Again" to perform the second tone recognition.
Next
Again
Redo

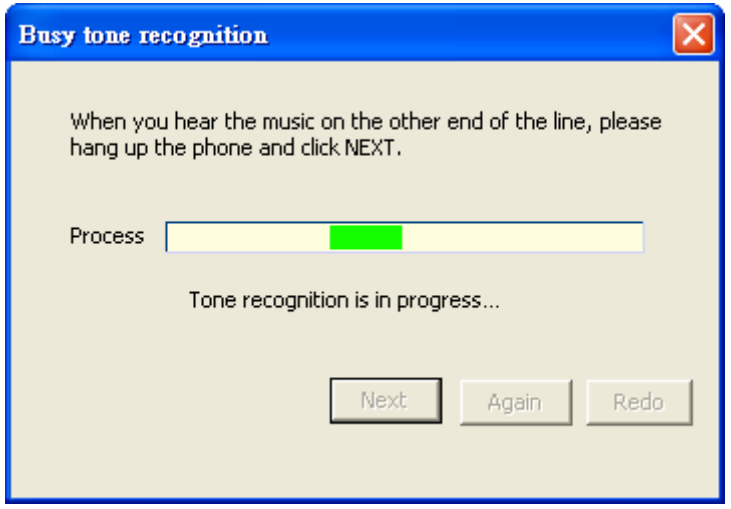
Step 5:



Step 6:

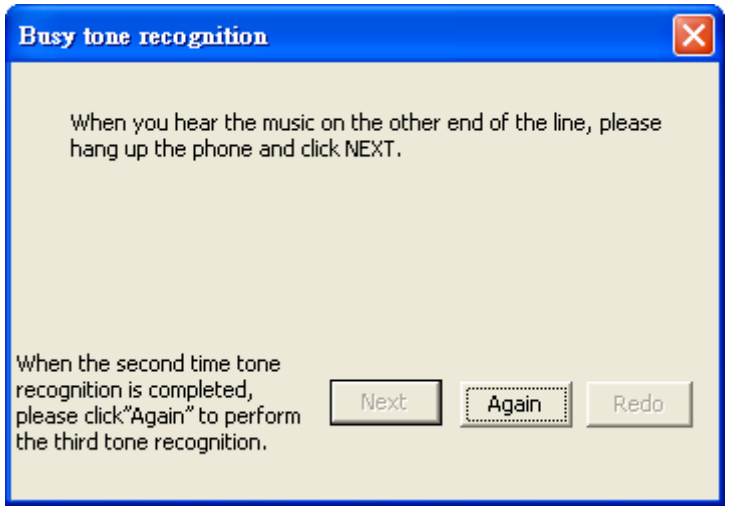

Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Next
Again
Redo

Processing

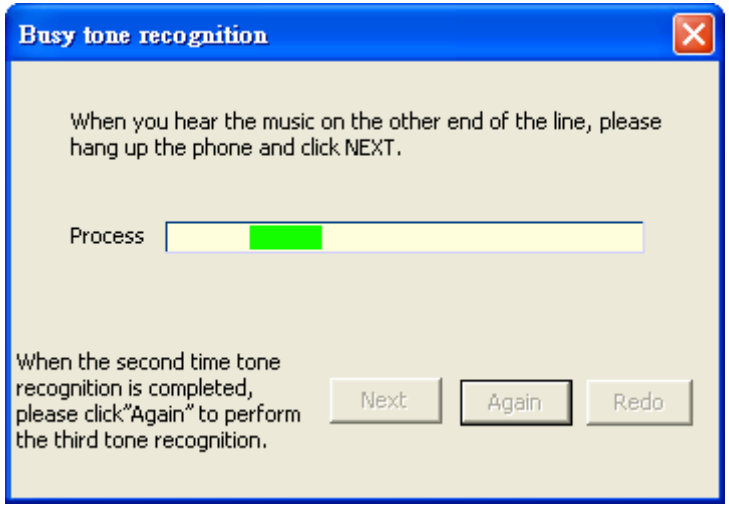

Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Process
Tone recognition is in progress...
Next
Again
Redo

Step 7:

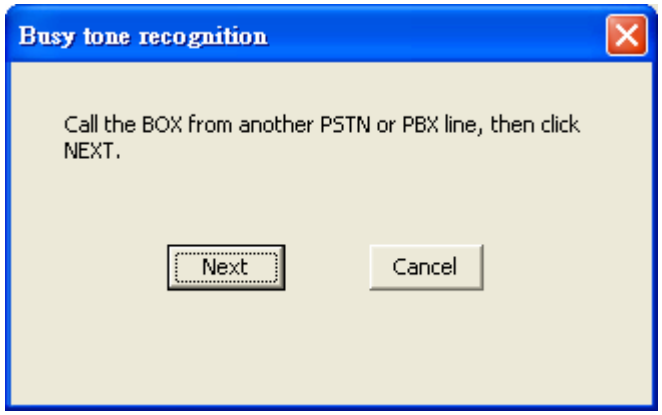
The **Second Tone Recognition** is completed. Please click the **Again** button to start the third tone recognition.


Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
When the second time tone recognition is completed, please click"Again" to perform the third tone recognition.
Next
Again
Redo

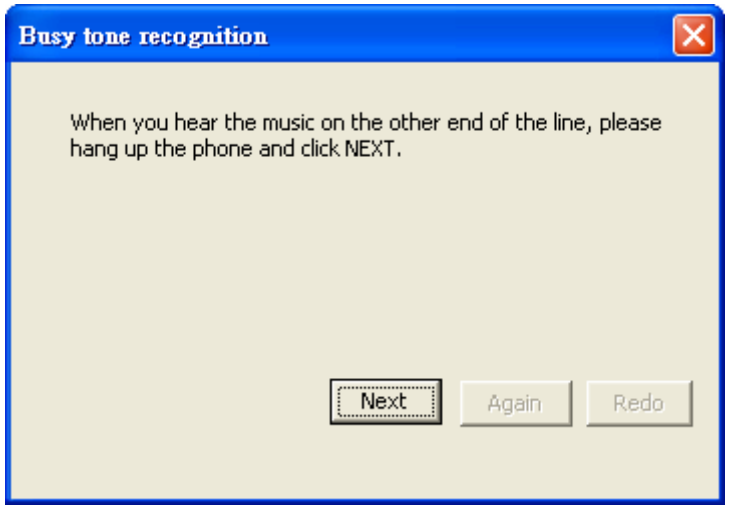
Processing


Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Process
When the second time tone recognition is completed, please click"Again" to perform the third tone recognition.
Next
Again
Redo

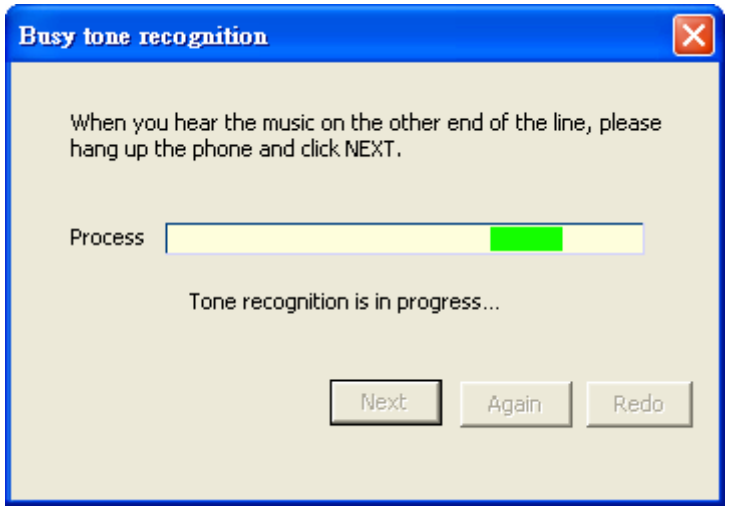
Step 8:


Busy tone recognition
Call the BOX from another PSTN or PBX line, then click NEXT.
Next
Cancel

Step 9:


Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Next
Again
Redo

Processing


Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Process
Tone recognition is in progress...
Next
Again
Redo

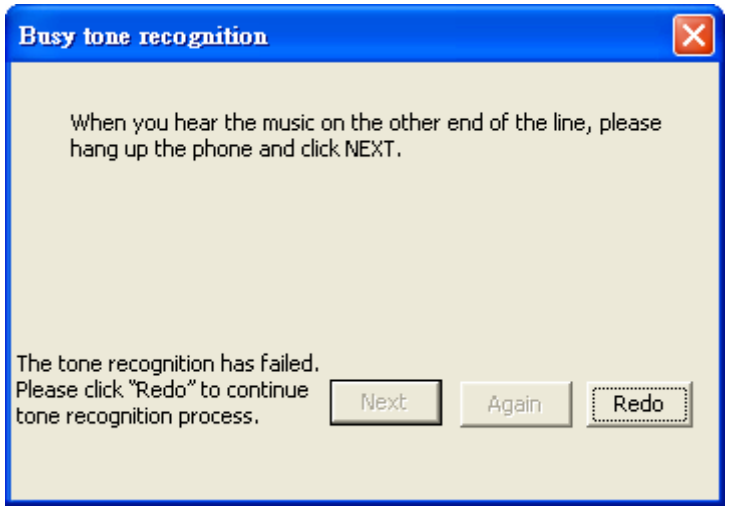
Step 10:

The Tone Recognition process is **completed**.

Exit the recognition by click the **OK** button.

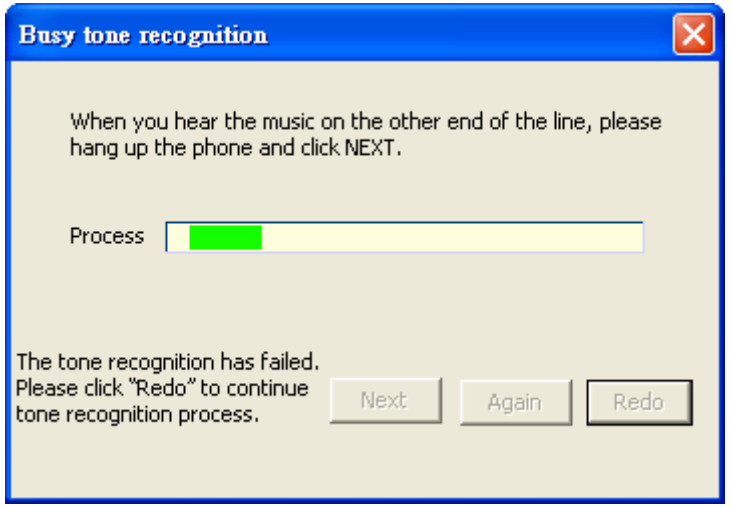
Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Tone learning process is finished. Please click OK to exit.
Next
OK
Redo

If the Tone Recognition process is **failed**.
Please check the connection and you could try again by clicking **Redo**.


Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
The tone recognition has failed.
Please click "Redo" to continue tone recognition process.
Next
Again
Redo

Processing

After you click the **Redo** button, the whole process will start over again.

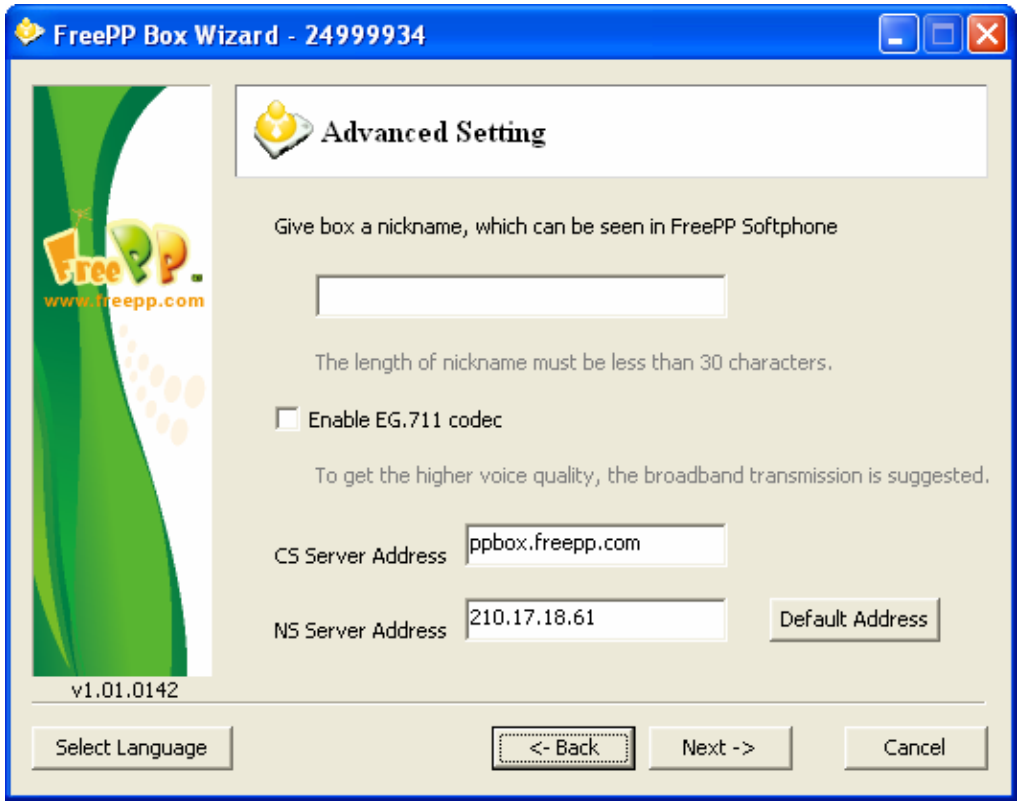

Busy tone recognition
When you hear the music on the other end of the line, please hang up the phone and click NEXT.
Process
The tone recognition has failed.
Please click "Redo" to continue tone recognition process.
Next
Again
Redo

# Setup the network parameters | Advanced Setting

For your convenience, you could create a nickname for your box, in order to notice the **Presence information** of BOX to other users who have added the ID of BOX in contact list of their softphone.

You could check the **Enable EG.711 codec** checkbox in order to get the higher voice quality. But the broadband transmission is suggested.

The **CS** and **NS server addresses** are for those users who already know the addresses, for example the enterprises.

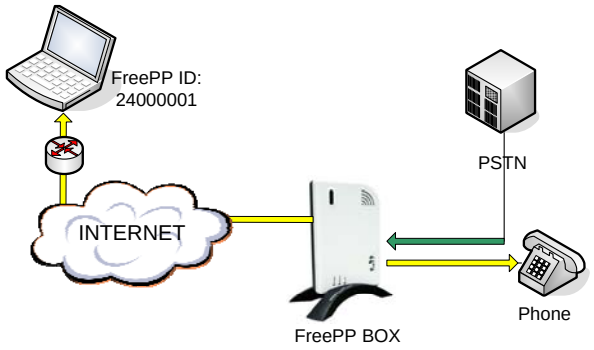



| | |
|---|---|
| | **Presence information** is information about the present status of the BOX. For example, BOX status (busy, idle, away, etc.), displayed name, and a number representing various information about the BOX. |

# Setup the network parameters | Call Forwarding Settings

You could check the **Redirect all incoming calls from PSTN to a specific FreePP number** checkbox to redirect all the incoming calls from PSTN or PBX to FreePP softphone or another BOX. Enter the FreePP number that you want to forward the calls to.

When a PSTN call is coming, the BOX will make the connected phone and the redirected FreePP-capable device ring concurrently (so-called multi-ringing). You can choose to answer the call by the locally connected telephone or redirected FreePP-capable device. However, if this call is from FreePP, this call will not be redirected.

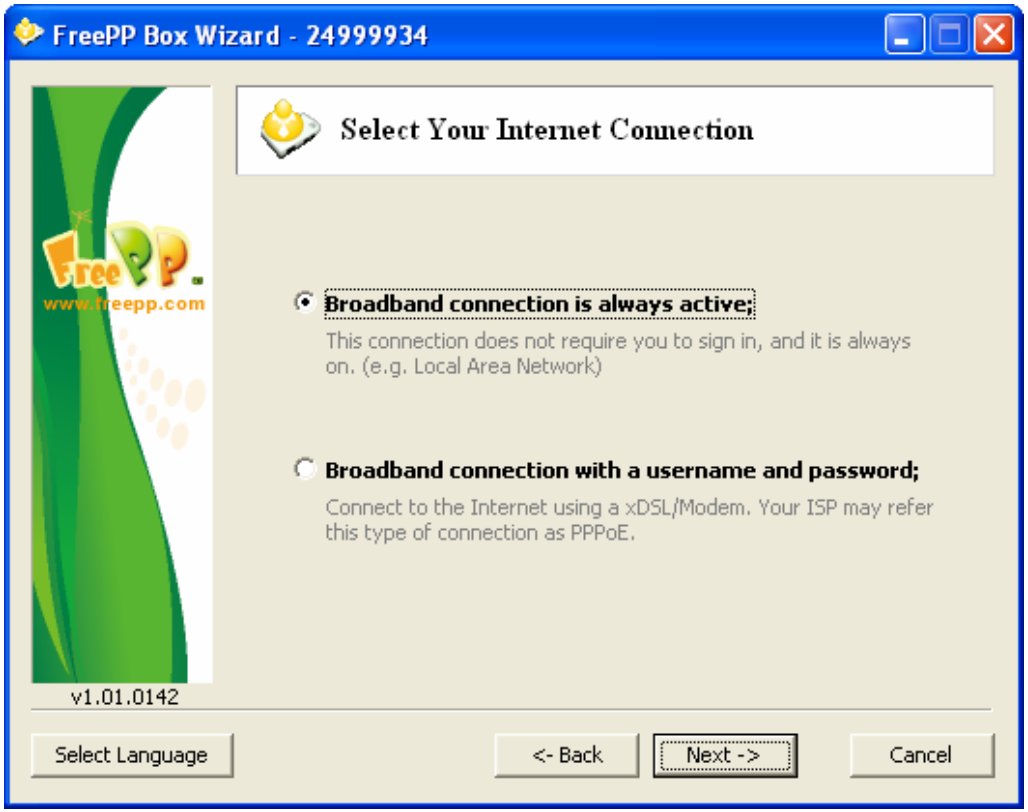


FreePP Box Wizard - 24999934
Call Forwarding Settings
Redirect all incoming calls from PSTN to a specific FreePP number
If a PSTN call is coming, the Box will make the connected phone and redirected FreePP-capable device ringing concurrently. You can choose to answer the call by the locally connected telephone or redirected FreePP-capable device. However, if this call is from FreePP, this call will not be redirected.
www.freepp.com
v1.01.0142
Select Language
<- Back
Next ->
Cancel

# Setup the network parameters | Select Your Internet Connection

You can choose one of the following types of network connection based on your network environment.

- **Broadband connection is always active.** (e.g. Local Area Network);
- **Broadband connection with a username and password** (e.g. PPPoE)


FreePP Box Wizard - 24999934
Select Your Internet Connection
www.freepp.com
Broadband connection is always active;
This connection does not require you to sign in, and it is always on. (e.g. Local Area Network)
Broadband connection with a username and password;
Connect to the Internet using a xDSL/Modem. Your ISP may refer this type of connection as PPPoE.
v1.01.0142
Select Language
<- Back
Next ->
Cancel

# Setup the network parameters | Select Your Internet Connection | Broadband Connection is always active| Setup IP Address | DHCP Client

**Obtain an IP address automatically (DHCP Client)**

This is the default option. If you are not very sure about the IP setting for the BOX, choose **DHCP Client** mode. The BOX will use an assigned IP address from your network router or gateway. Otherwise, BOX will intelligently try all possible IP settings in the cache memory to connect your box to the network.

Click **Apply** button to go on next step.

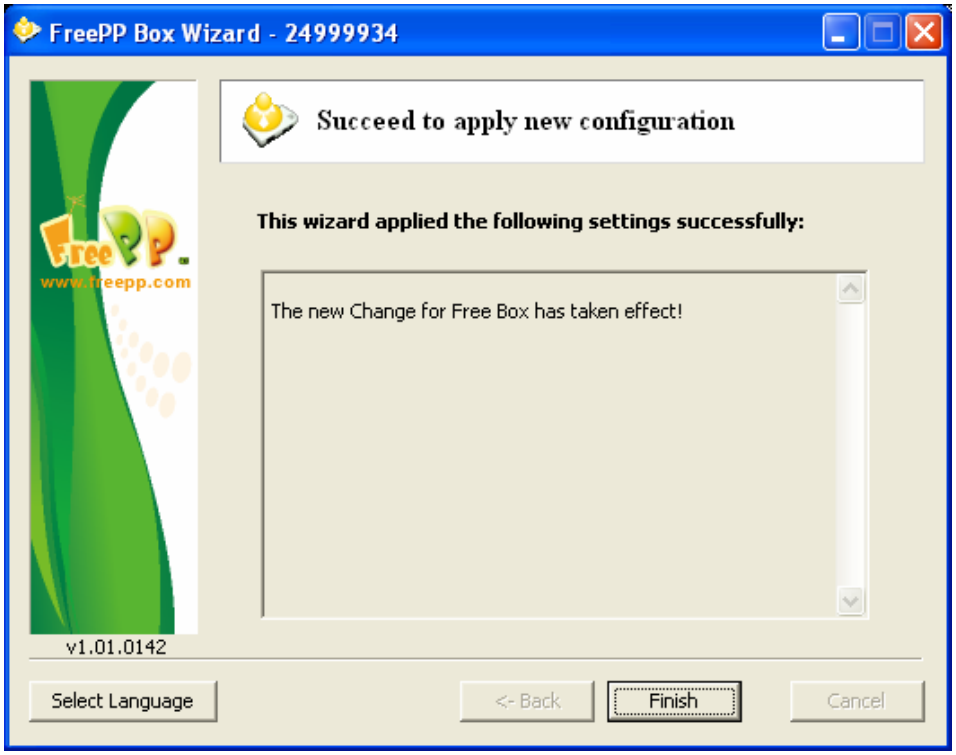
**Authorized to Modify FreePP BOX Configuration**

The administrator password must be entered before saving the changes you have made. This will prevent someone from modifying your BOX illegally without your approval. You can find the default password on the ID card or use the new password that you changed before.

FreePP Box Security
Authorized to Modify FreePP Box Configuration
To prevent someone from modifying your FreePP Box without approval, you must input the administrator password of FreePP Box. You can find the password on the card packaged with FreePP Box.
Administrator Password
********
OK
Cancel

**Succeed to apply new configuration**

Installer will show the new configuration you have made in this window and start to take changes effective. It will take around 30 seconds to reboot. Please wait for awhile. Click **Finish** and the system will restart automatically.



**Do you want to exit this wizard?**

The pop up window will be shown on the screen after you click **Finish**. Exit the wizard by click OK.

Click the **Cancel** button to go back to the previous window.

# Setup the network parameters | Select Your Internet Connection | Broadband Connection is always active | Setup IP Address | Static IP address

**Use the specified static IP address**

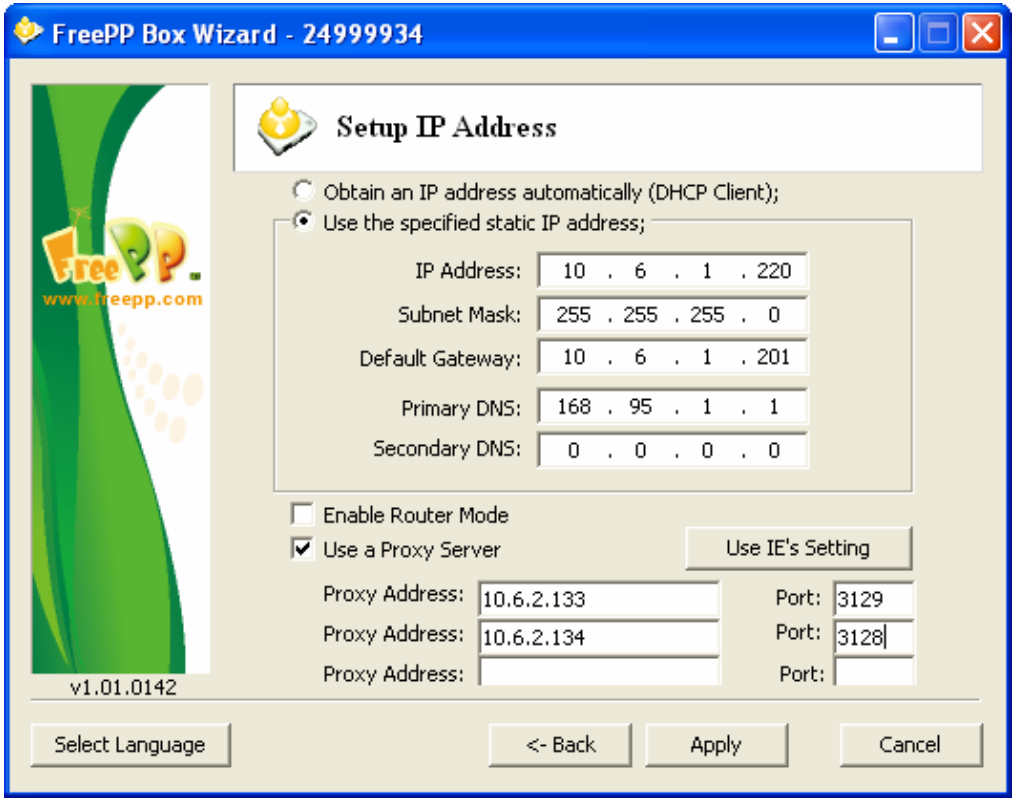
If your BOX has been allocated a specified static IP address, please fill out the necessary IP settings here. If you are not familiar with these settings, please consult the network administrator.

**Enable Router Mode**

The BOX has a DHCP server embedded. That means by enabling the router mode, the BOX will assign a dynamic IP to the device connected to the LAN port of your BOX.

**Use a Proxy Server**

Proxy Server sits between a client application, such as a Web browser, and a real server. It intercepts all the requests to the real server to see if it can fulfill the requests themselves. If not, it forwards the requests to the real server.

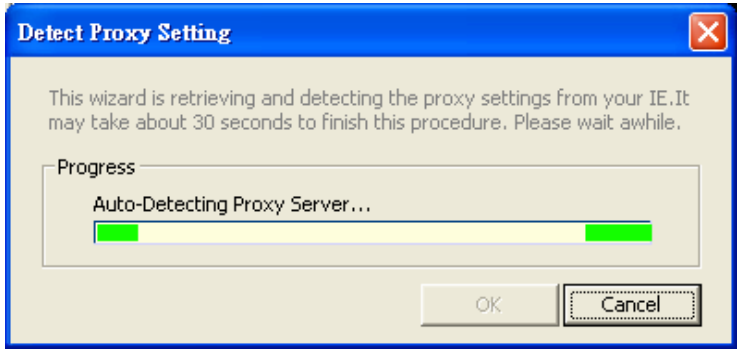

FreePP Box Wizard - 24999934
Setup IP Address
Obtain an IP address automatically (DHCP Client);
Use the specified static IP address;
IP Address: 10 . 6 . 1 . 220
Subnet Mask: 255 . 255 . 255 . 0
Default Gateway: 10 . 6 . 1 . 201
Primary DNS: 168 . 95 . 1 . 1
Secondary DNS: 0 . 0 . 0 . 0
Enable Router Mode
Use a Proxy Server
Use IE's Setting
Proxy Address: 10.6.2.133
Port: 3129
Proxy Address: 10.6.2.134
Port: 3128
Proxy Address:
Port:
www.freepp.com
v1.01.0142
Select Language
<- Back
Apply
Cancel

You need to know if a proxy server exists on the network because it will block the transmission of FreePP profile and will make your BOX sometimes work abnormally.

There are two ways to configure Proxy Server:

1. Click the **Use IE's Setting** button, then Installer will use proxy settings from the Internet Explorer of your computer. The message box is shown here.
2. If you know the exact IP settings of the Proxy Server, please fill out the settings directly.

Click the **Apply** button to save changes.


Detect Proxy Setting
This wizard is retrieving and detecting the proxy settings from your IE.It may take about 30 seconds to finish this procedure. Please wait awhile.
Progress
Auto-Detecting Proxy Server...
OK
Cancel

**Authorized to Modify FreePP BOX Configuration**

The administrator password must be entered before saving the changes you have made. This will prevent someone from modifying your BOX illegally without your approval. You can find the default password on the ID card or use the new password that you changed before.

FreePP Box Security
Authorized to Modify FreePP Box Configuration
To prevent someone from modifying your FreePP Box without approval, you must input the administrator password of FreePP Box. You can find the password on the card packaged with FreePP Box.
Administrator Password
********
OK
Cancel

**Succeed to apply new configuration**

Installer will show the new configuration you have made in this window and start to take changes effective. It will take around 30 seconds to reboot. Please wait for awhile.

Click **Finish** and the system will restart automatically.

FreePP Box Wizard - 24999934
Succeed to apply new configuration
This wizard applied the following settings successfully:
Select Your Internet Connection : Broadband connection is always active;
Setup IP Address : Use the specified static IP address;
IP Address : 10.6.1.220
Subnet Mask : 255.255.255.0
Default Gateway : 10.6.1.201
Primary DNS : 168.95.1.1
Router Mode : disabled
Proxy Settings : Proxy Address - 10.6.2.133 Port - 3129
Proxy Settings : Proxy Address - 10.6.2.134 Port - 3128
The new Change for Free Box has taken effect!
www.freepp.com
v1.01.0142
Select Language
<- Back
Finish
Cancel

**Do you want to exit this wizard?**

A pop up window will be shown after you click the **Finish** button.

| | |
|---|---|
| ! | BOX will reboot itself automatically after the configuration is complete. If you still cannot see the BLUE light after using either DHCP Client mode or Static IP address, please refer the configuration of PPPoE as follows. |

# Setup the network parameters | Select Your Internet Connection | Broadband connection with a username and password

**PPPoE Account**

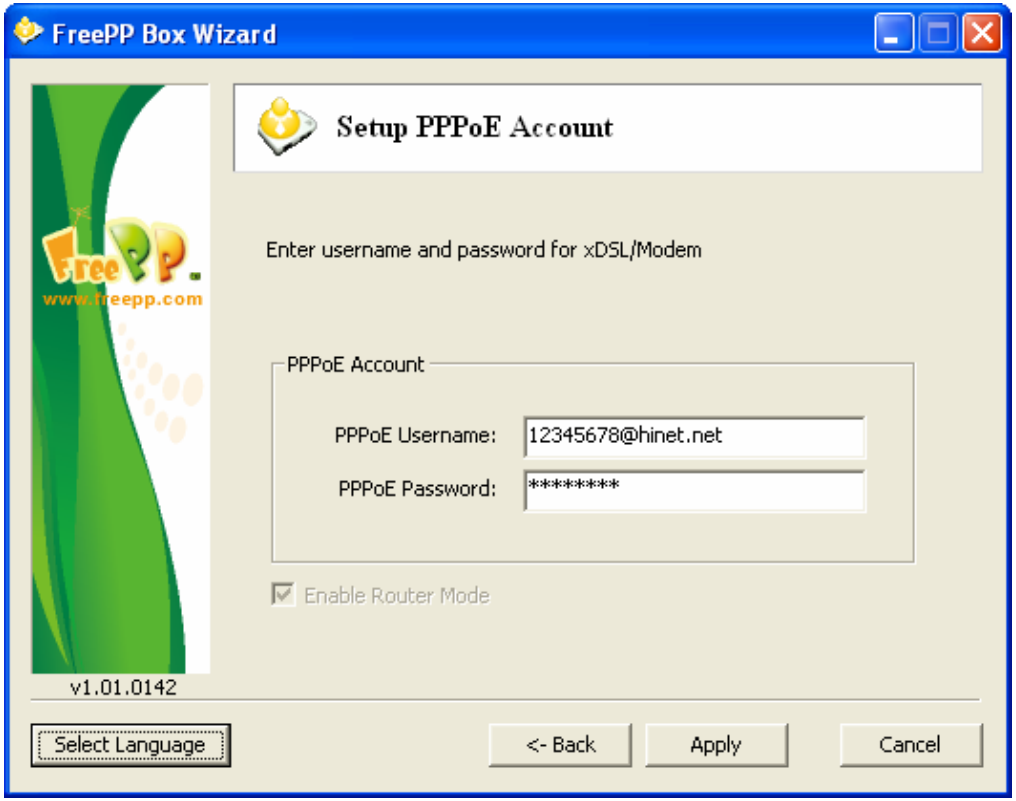
PPPoE stands for Point-to-Point Protocol over Ethernet. PPPoE is a specification for connecting the users on an Ethernet to the Internet through a common broadband medium, such as a single DSL line, wireless device or cable modem.

Enter the **Username** and **Password** here, and click **Apply** to save the settings.

**Enable Router Mode**

The BOX has a DHCP server embedded. That means by enabling the router mode, the BOX will assign a dynamic IP to the device connected to the LAN port of your BOX.

Click the **Apply** button to save changes.



**Authorized to Modify FreePP BOX Configuration**

The administrator password must be entered before saving the changes you have made. This will prevent someone from modifying your BOX illegally without your approval. You can find the default password on the ID card or use the new password that you changed before.

FreePP Box Security
Authorized to Modify FreePP Box Configuration
To prevent someone from modifying your FreePP Box without approval, you must input the administrator password of FreePP Box. You can find the password on the card packaged with FreePP Box.
Administrator Password
********
OK
Cancel

**Succeed to apply new configuration**

Installer will show the new configuration you have made in this window and start to take changes effective. It will take around 30 seconds to reboot. Please wait for awhile.

Click **Finish** and the system will restart automatically.

FreePP Box Wizard
Succeed to apply new configuration
This wizard applied the following settings successfully:
Select Your Internet Connection : Broadband connection with a username and password;
PPPoE Username : 12345678@hinet.net
PPPoE Password : ********
Router Mode : enabled
The new Change for Free Box has taken effect!
www.freepp.com
v1.01.0142
Select Language
<- Back
Finish
Cancel

**Do you want to exit this wizard ?**

A pop up window will be shown after you click the **Finish** button.

| | |
|---|---|
| | 1. In most cases, xDSL/Cable Modem subscribers are asked to install a PPPoE connection in the computer. Instead, you can enter the username and password in the BOX. The BOX will dial up automatically. Please refer to **Quick Start Guide** for detailed installation.<br>2. If you still cannot see the BLUE light after using either DHCP Client mode or Static IP address, please contact network administrator. |

# Change the password of FreePP BOX

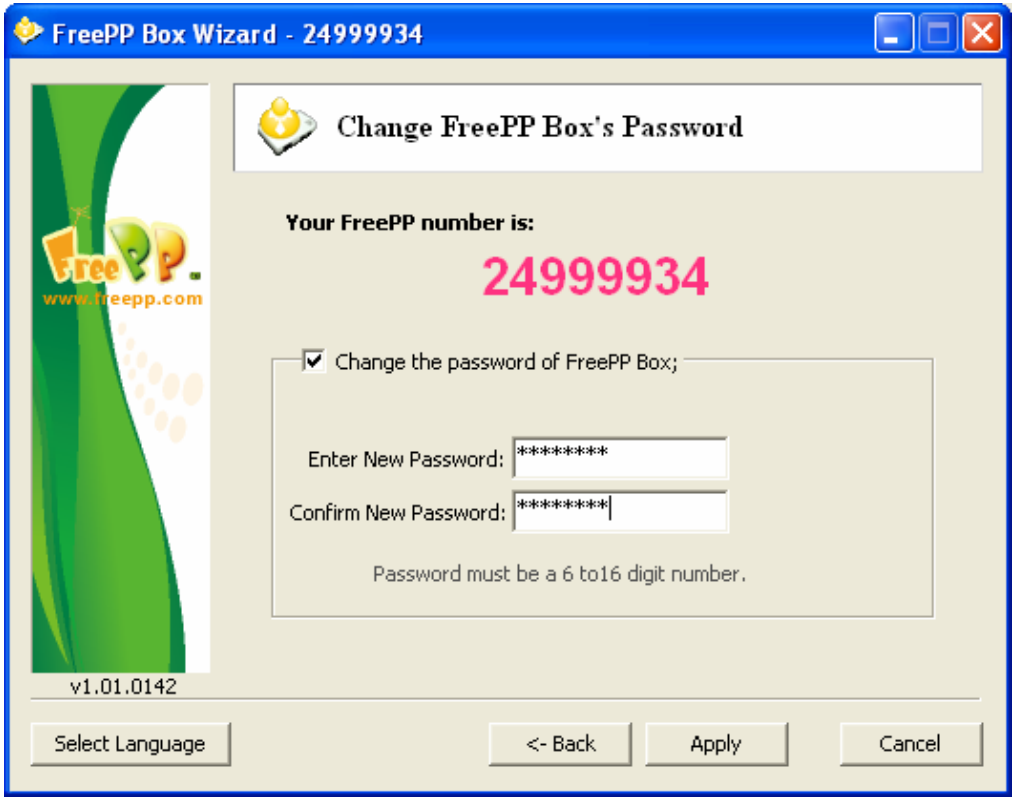
To protect the BOX from unauthorized access, you can change the password here.

1. The password should be a 6 to 16-digit number (Arabic numerals 0,1,2,3,4,5,6,7,8,9).

2. English characters (A-Z) and other characters will not be accepted.

3. Click the **Apply** button to save changes.

4. Please note that the new password will be deleted after you reset the BOX to the default settings.



**Authorized to Modify FreePP BOX Configuration**

The administrator password must be entered before saving the changes you have made. This will prevent someone from modifying your BOX illegally without your approval. You can find the default password on the ID card or use the new password that you changed before.

FreePP Box Security
Authorized to Modify FreePP Box Configuration
To prevent someone from modifying your FreePP Box without approval, you must input the administrator password of FreePP Box. You can find the password on the card packaged with FreePP Box.
Administrator Password
********
OK
Cancel

**Succeed to apply new configuration**

Installer will show the new configuration you have made in this window and start to take changes effective. It will take around 30 seconds to reboot. Please wait for awhile.

Click **Finish** and the system will restart automatically.

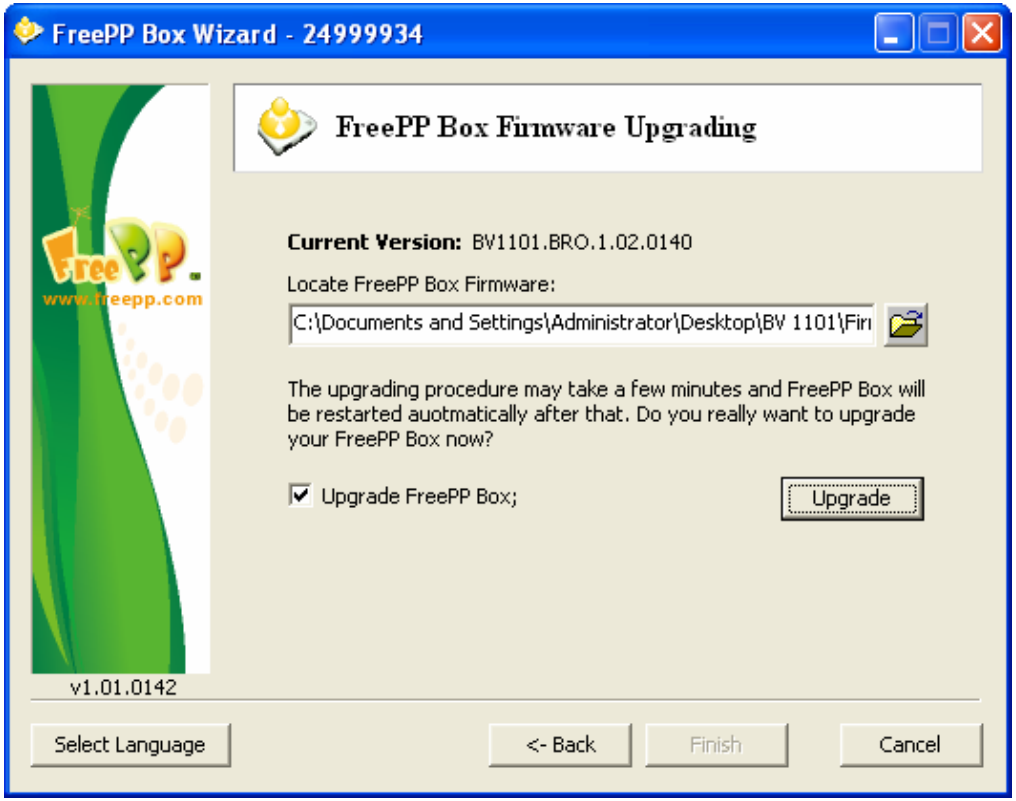
**Do you want to exit this wizard?**

A pop up window will be shown after you click the **Finish** button.

# FreePP Box Firmware Upgrading

You can upgrade the BOX with up-to-date features and patches.

1. Go to the **HELP** page of FreePP website to download the latest firmware.
2. Locate the latest firmware; check the checkbox **Upgrade FreePP Box** and click **Upgrade**.
3. You will see a message box asking you to enter the password.
4. Enter the password and click **OK** to continue upgrading. The process will take approximately 2 minutes.

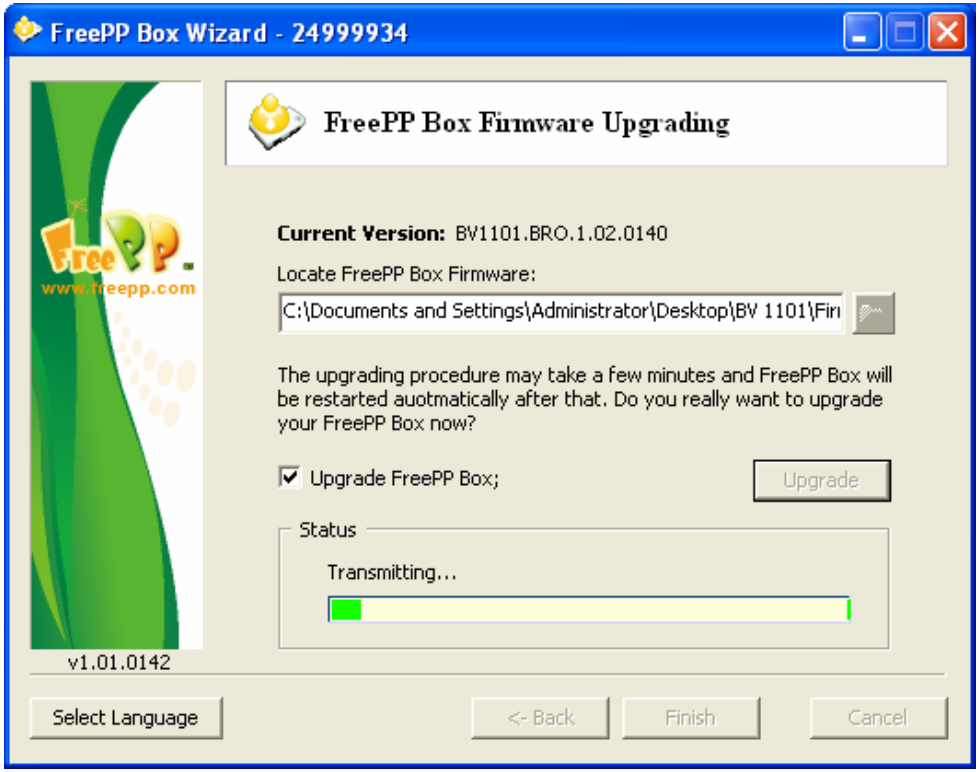

FreePP Box Wizard - 24999934
FreePP Box Firmware Upgrading
www.freepp.com
Current Version: BV1101.BRO.1.02.0140
Locate FreePP Box Firmware:
C:\Documents and Settings\Administrator\Desktop\BV 1101\Firi
The upgrading procedure may take a few minutes and FreePP Box will be restarted auotmatically after that. Do you really want to upgrade your FreePP Box now?
Upgrade FreePP Box;
Upgrade
v1.01.0142
Select Language
<- Back
Finish
Cancel

**Authorized to Modify FreePP BOX Configuration**

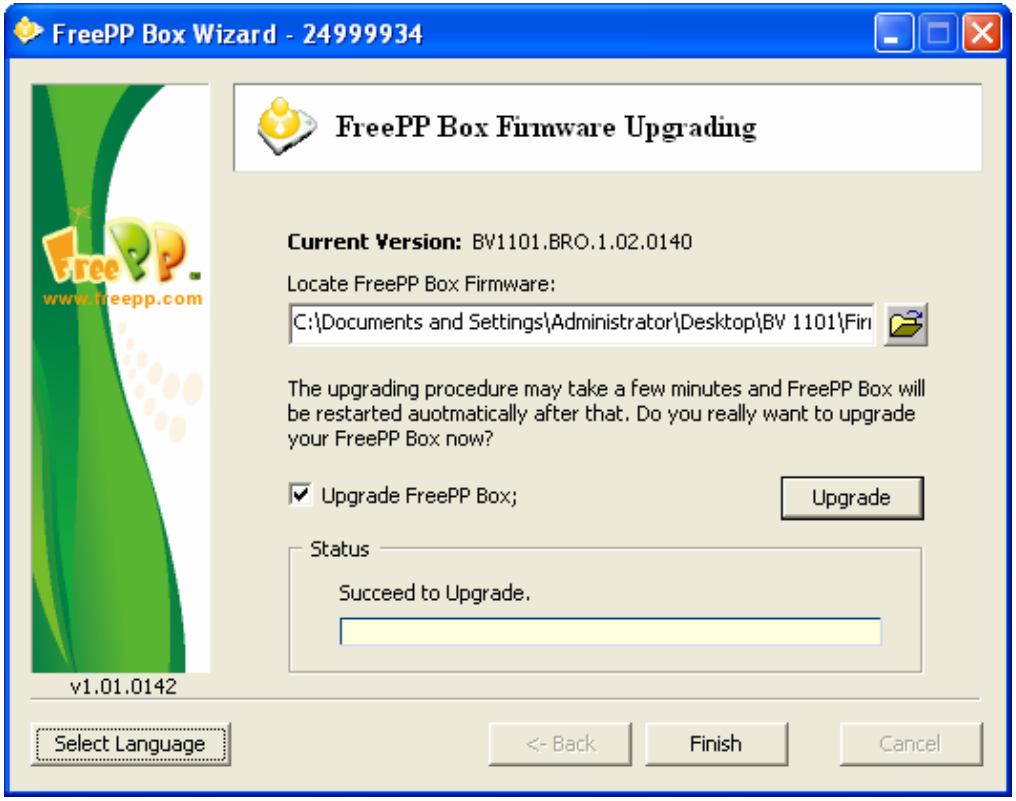
The administrator password must be entered before saving the changes you have made. This will prevent someone from modifying your BOX illegally without your approval. You can find the default password on the ID card or use the new password that you changed before.

FreePP Box Security
Authorized to Modify FreePP Box Configuration
To prevent someone from modifying your FreePP Box without approval, you must input the administrator password of FreePP Box. You can find the password on the card packaged with FreePP Box.
Administrator Password
********
OK
Cancel

While upgrading, the BOX will reboot several times to load the new image file by itself. You can see the status bar rolling.



When Finished, Installer will show the message, **Succeed to upgrade**.

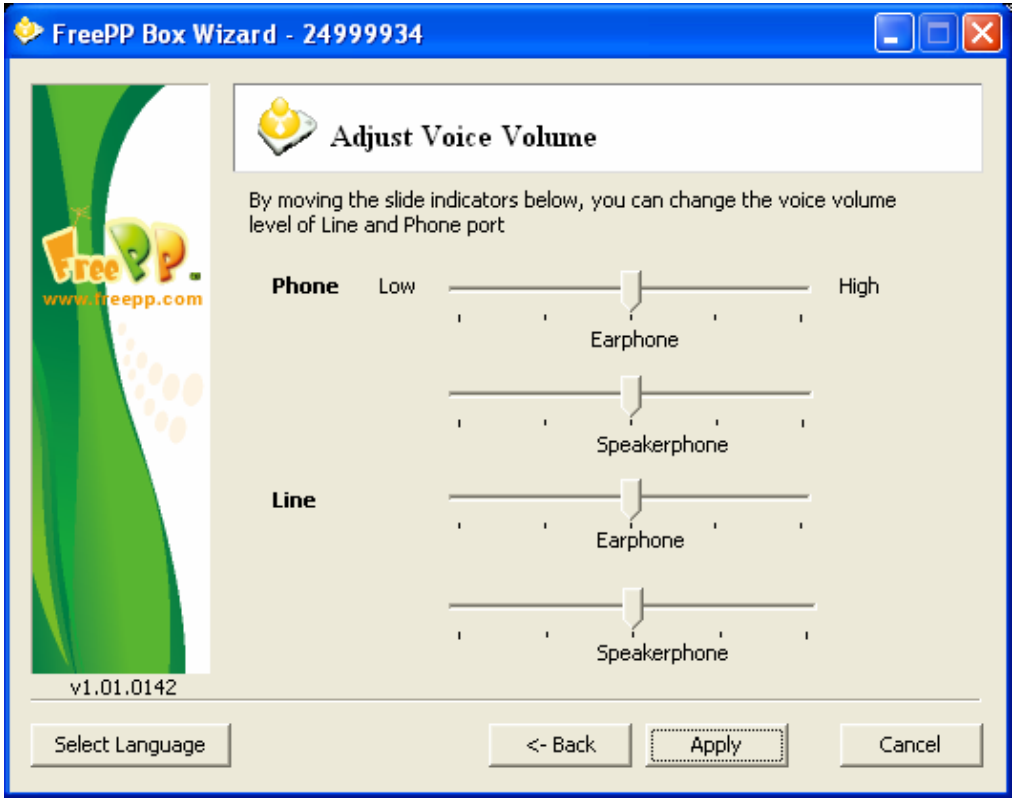



**Do you want to exit this wizard?**

A pop up window will be shown after you click the **Finish** button.

# To tune Voice Volume of FreePP BOX

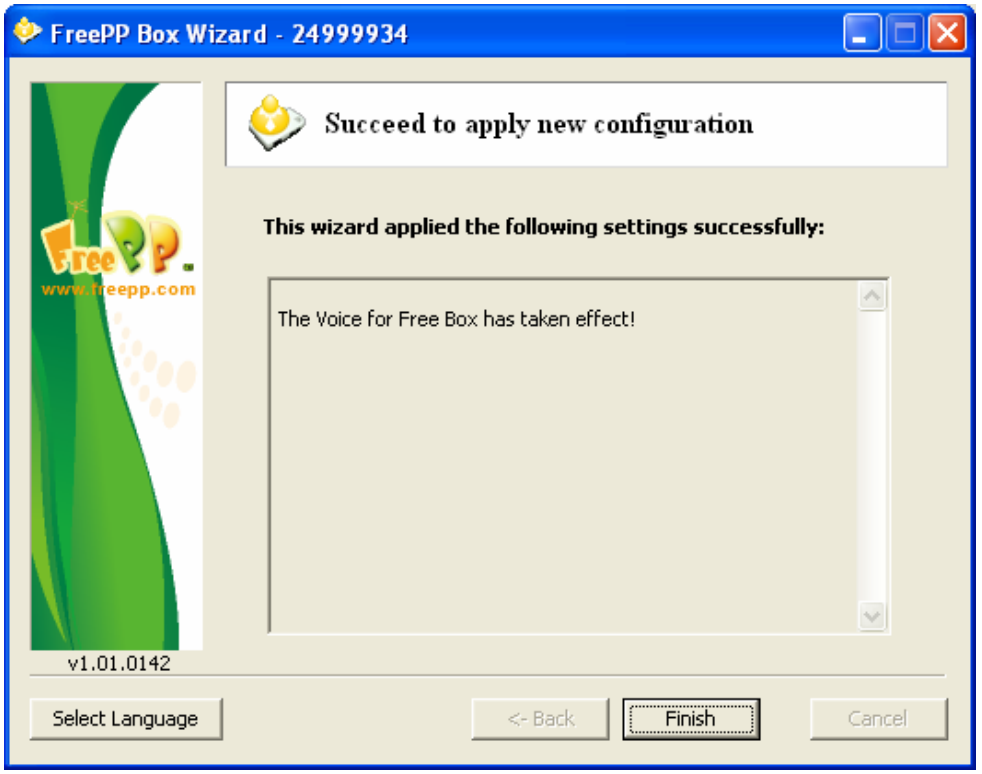
You can adjust the voice volume of the BOX here.
By moving the slide indicators below, you can change the voice volume level of both the line and phone port at the same time.
When the voice volume is adjusted, click the **Apply** button to save changes.



**Succeed to apply new configuration**

Installer will show the new configuration you have made in this window and start to take changes effective. It will take around 30 seconds to reboot. Please wait for awhile.

Click **Finish** and the system will restart automatically.




**Do you want to exit this wizard ?**

A pop up window will be shown after you click the **Finish** button.

# Chapter 5: Make FreePP Calls

## Place FreePP On-Net Calls

### With PSTN Line Attached

1. Press * (press the star key one time) on keypad of the telephone connected to PHONE port.
2. After the tone, dial **FreePP ID** directly to reach your friends.
   For example: call FreePP ID:24000001, please dial: *24000001

### Without PSTN Line Attached

1. Dial **FreePP ID** directly to reach your friends.
   For example: call FreePP ID:24000001, please dial: 24000001

| | |
|---|---|
| ! | On-Net call is free. |

# Place FreePP Off-Net Calls (FreePP Out Service)

Make a domestic or international call by FreePP to a regular telephone or a mobile. Please note that the BOX should be activated for FreePP Out service and has enough credits in its account.

**With PSTN Line Attached**

1. Press * key
2. Dial **00 country code area code phone number**
   For example: call Taipei City Government, Taiwan (Tel: 886-2-27208889), please dial: *00 886 2 27208889.
3. You can hear the voice response and know your available credit.

**Without PSTN Line Attached**

1. Dial **00 country code area code phone number**
   For example: call Taipei City Government, Taiwan (Tel: 886-2-27208889), please dial: 00 886 2 27208889.
2. You can hear the voice response and know your available credit.

| | |
|---|---|
| ! | 1. Please refer to Chapter 6 to add your credit to your account.<br>2. Please refer to the FreePP service rate when you make an Off-Net call. |

## Place PSTN Calls

There are two ways to place PSTN calls:

1. If LINE port is connected to PSTN, dial the phone number directly.

| | |
|---|---|
| | Note that you use the service from your local telephone service provider, rather than FreePP. The rate is higher than FreePP. |

2. If LINE port is not connected to PSTN, you can place FreePP Off-Net calls (FreePP Out Service) instead.

| | |
|---|---|
| | Please refer to the FreePP service rate when you make an Off-Net call. |

## Answer Calls

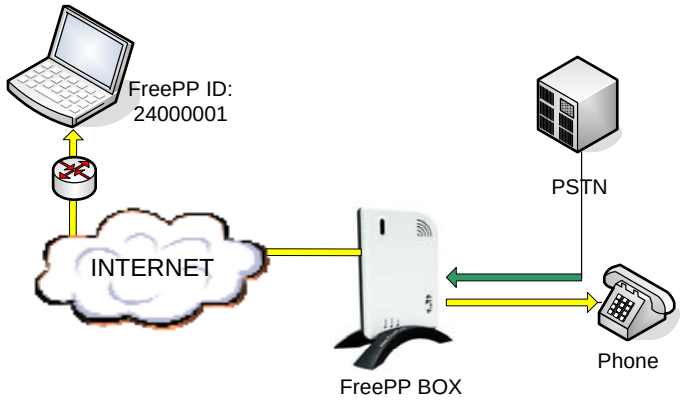
When telephone rings, pick up the phone and talk.

# Redirect incoming PSTN calls to FreePP

Redirect all incoming calls from PSTN to a specific FreePP number. Please enable the function and specify the FreePP ID you want to forward to.

| | |
|---|---|
| ! | If a PSTN call is coming, the BOX will make the connected phone and redirected FreePP-capable device ring concurrently (so-called multi-ringing). You can choose to answer the call by the locally connected telephone or redirected FreePP-capable device. However, if this call is from FreePP, this call will not be redirected. |

| | |
|---|---|
| ! | Please refer to **Redirect all incoming calls from PSTN to a specific FreePP number** on Chapter 4.<br>(Setup the network parameters \| Call Forwarding Settings) |



# Chapter 6: Add FreePP Credit

## Add FreePP Credit to your FreePP account

1. Go to FreePP website http://www.freepp.com
2. Click **My Account** and login using your FreePP account (BOX ID and Password)
3. Click the **add-credit** icon to go to add-credit page.
4. Choose either **prepaid card** or **credit card** icon to go to respective page.

## Prepaid card

1. Enter the PIN code (printed on this card).
2. Click **Enter** to confirm and add credit to your FreePP ID.

## Credit card

1. Select the amount of money you prefer to add
2. You will be redirected to a secure page where to enter your credit card number and required information.
3. Click **Enter** to confirm and add credit to your FreePP ID.

# 第一章: 簡介

謝謝您選購 FreePP BOX 網路電話轉接盒。只要把 FreePP 網路電話轉接盒連接到既有的寬頻網路，不需要再連接電腦，就可以幫助您透過 FreePP 網路電話系統來撥打或接聽網路電話。

安裝手冊的內容為:

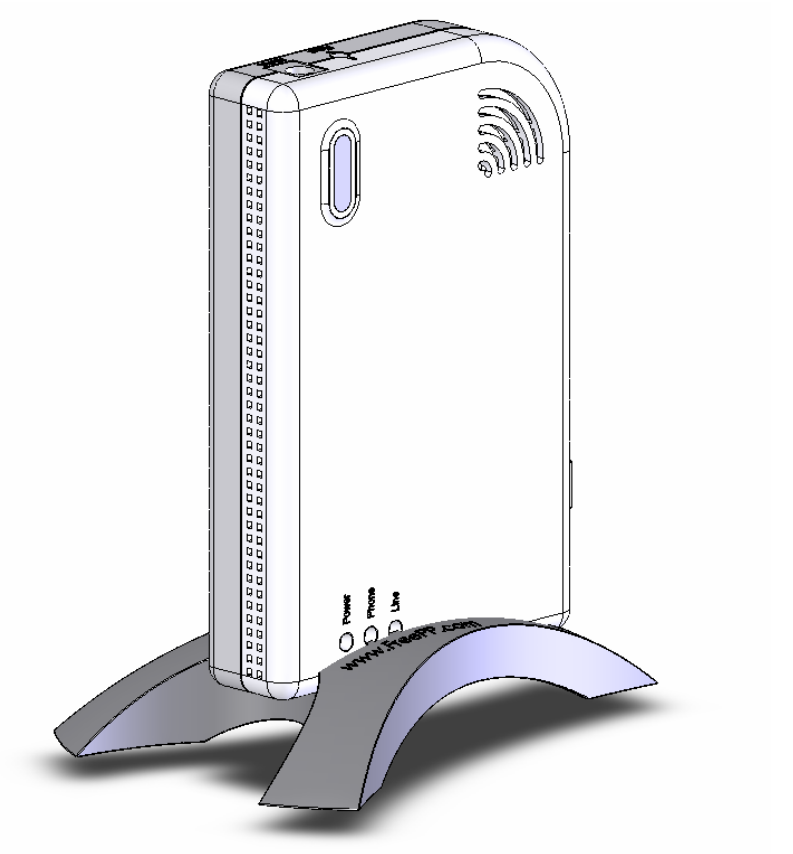
第一章 簡介

第二章 了解 BOX

第三章 連接 BOX

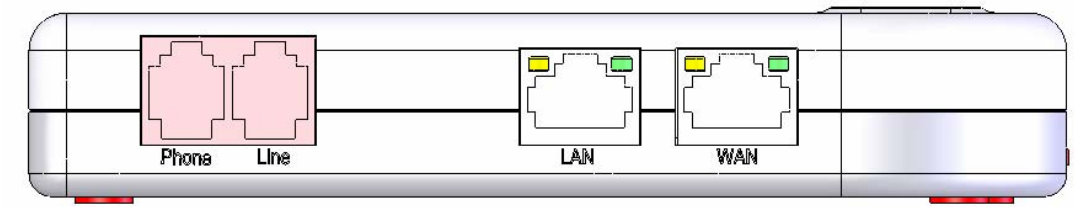
第四章 使用 BOX 安裝精靈設定 BOX

第五章 撥打電話



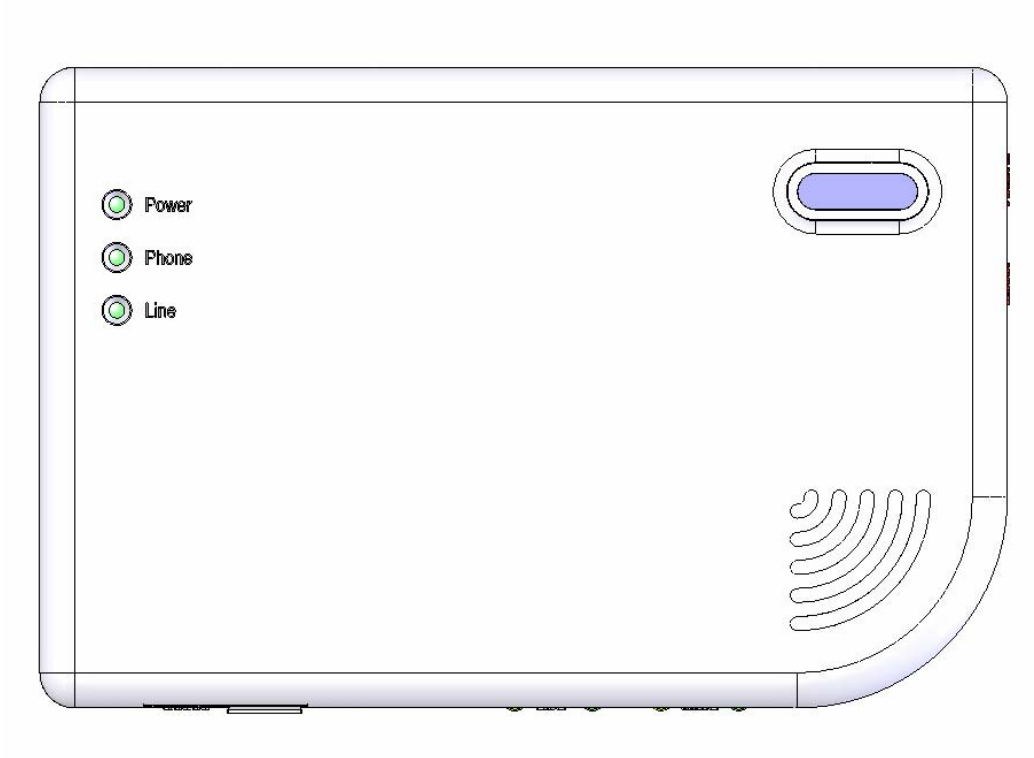
# 第二章: 了解 BOX

## 連接面板示意圖




| Connector | | Description |
|---|---|---|
| PHONE | 電話插孔 | 使用電話線連接家用電話到 BOX 的電話插孔。 |
| LINE | 外線插孔 | 連接外線到此外線插孔，如此可以繼續使用原先固網的電話服務。 |
| LAN | 內網網路插孔 | 連接此埠可以使用 BOX 內建的 DHCP Server，當作 IP 分享器。 |
| WAN | 外網網路插孔 | 此埠需要連接到 ADSL 數據機或纜線數據機或任何可以連結外部網路的網路裝置。 |
| ! | 建議您連接 FreePP BOX 與外線線路(LINE)，以便您可以繼續使用一般固網電話的服務。 | |

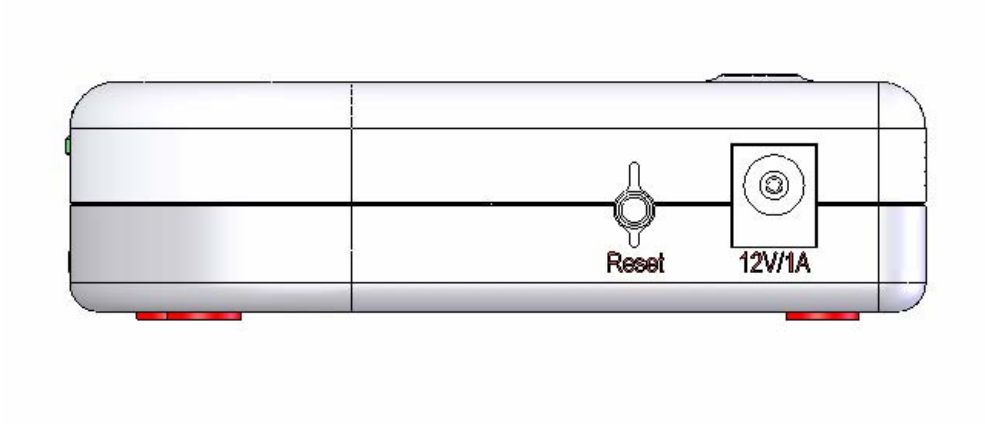
# BOX 顯示燈號




| LED | Color | Description |
|---|---|---|
| Power | 綠色 | 電源顯示燈；插電後，此燈會亮 |

| | | |
|---|---|---|
| Phone | 綠色 | 話機顯示燈；當提起話機時，此燈會亮 |
| Line | 綠色 | 外線顯示燈；當有效地連接外線線路，此燈會亮 |
| On-line | 藍色 | FreePP 系統連線顯示燈；當成功地連接到 FreePP 網路並且認證成功後，此燈會亮 |
| Ethernet | 綠色 | 網路傳輸顯示燈；當網路資料傳遞時，此燈會閃爍 |
| | 橘色 | 10/100M 連線偵測顯示燈 |

| | |
|---|---|
| ! | 外線線路指的是由固網市話到室內的電話線路。 |



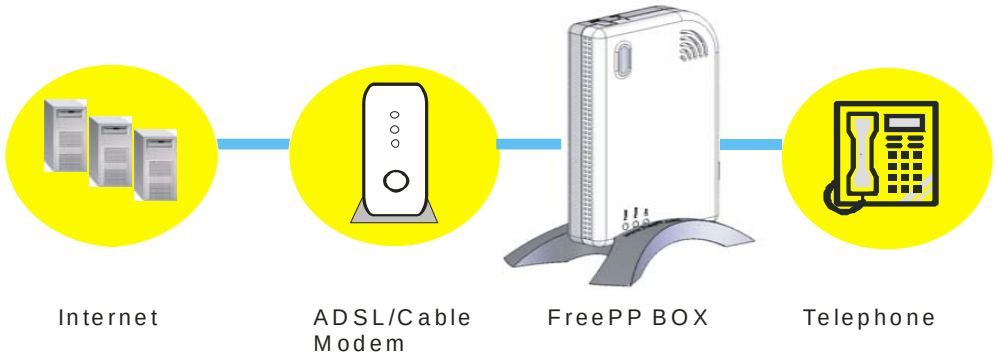

| Port | Description |
|---|---|
| Power | 電源插座，連接電源變壓器 |
| Reset | 重置按鈕，重置或重開機此 BOX |

| | |
|---|---|
| ! | 按此按鈕後 BOX 會重新開機；持續按著約 5 秒後此 BOX 會重置為出廠預設值。 |

# 第三章: 連接 BOX

## 本章摘要

本章將會介紹 BOX 的連線方式。請參考右邊的連線圖示。



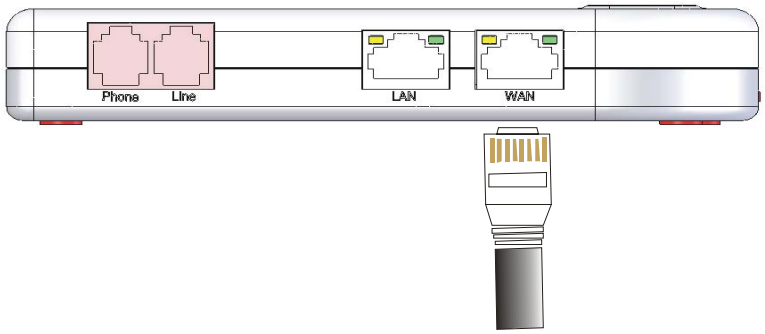
# 連接 BOX 步驟

**步驟 1:**

使用網路線連接 ADSL/Cable 數據機與 BOX 的 **WAN** 埠。

**步驟 2:**

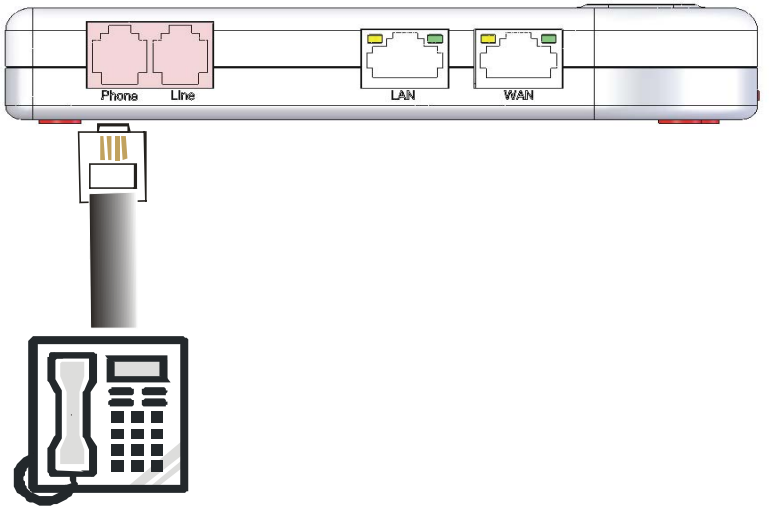
使用網路線連接 BOX 的 **LAN** 埠與電腦的網路埠。




| | |
|---|---|
| ! | 因 BOX 是獨立運作的，並不需要連接電腦，所以可略過步驟 2。但當需要使用 BOX 安裝精靈進行設定 BOX 時，才需要連接電腦到 LAN 埠。 |

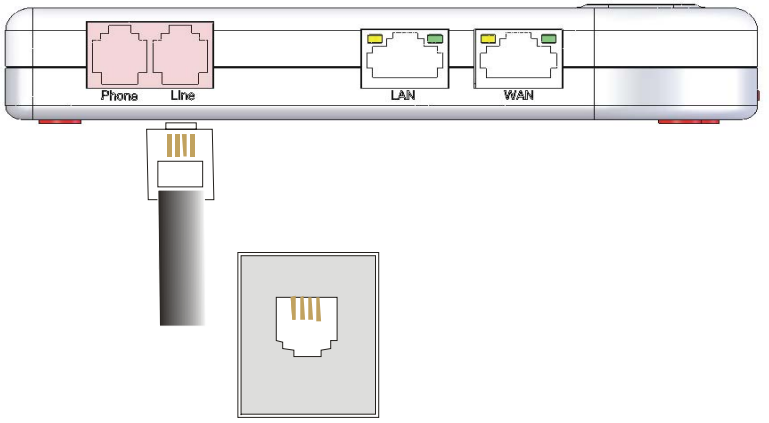
**步驟 3:**

連接標準電話機到 **PHONE** 插孔。




**步驟 4:**

連接外線線路到 **LINE** 插孔。




**步驟 5:**

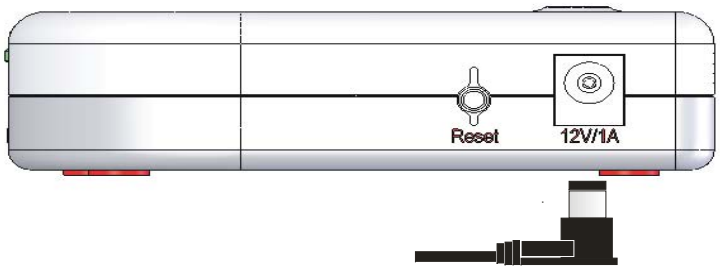
接上電源變壓器到標示有 **12V/1A** 的電源插孔。等待約 30 秒 BOX 開機進行自我檢測。

**步驟 6:**

啟動連接到 BOX 的 DSL/Cable 數據機或電腦。待 BOX 與系統伺服器驗證成功後，藍色的 FreePP 系統連線顯示燈會亮。

**步驟 7:**

當藍色系統燈亮後，拿起聽筒聽是否有撥號音，以確認裝置正常運作。



| | |
|---|---|
| !!! | 當完成 BOX 硬體連接後，此時如果 BOX 無法亮起藍色系統連線顯示燈，表示電話轉接盒當前的網路設定不正確，導致無法連接 FreePP 網路。詳細設定請參考第四章：使用 BOX 安裝精靈設定 BOX。 |

| | |
|---|---|
| !!! | 在某些特殊的網路環境之中，需要作 MAC 驗證。因此請聯絡網路系統管理者把此 BOX 的 MAC 加入所在的網路。 |

# 第四章: 使用 BOX 安裝精靈設定 BOX

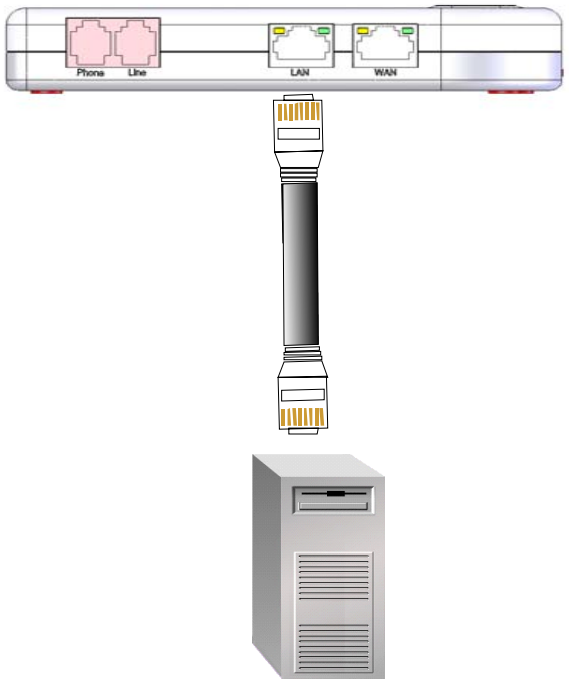
## 本章摘要

本章說明如何使用 BOX 安裝精靈以設定 BOX。在某些情形，必須要改變 BOX 設定以符合網路環境。安裝精靈會幫助完成 BOX 的設定。

| | |
|---|---|
| | 在產品光碟內可以找到 FreePP BOX 安裝精靈，或是直接到 FreePP 網站 http://www.freepp.com 下載最新版本的安裝精靈。 |

# FreePP BOX 安裝精靈

1. 使用網路線連接 BOX 的 LAN 埠與電腦。
2. 安裝 FreePP BOX 安裝精靈到此電腦中，並且桌面上會產生捷徑。
3. 按左鍵雙擊捷徑，執行安裝精靈。如果在桌面上找不到安裝精靈捷徑，請到**開始 --> 程式集 --> FreePP --> FreePP BOX Lite--> FreePP BOX Lite Wizard**，執行安裝精靈。



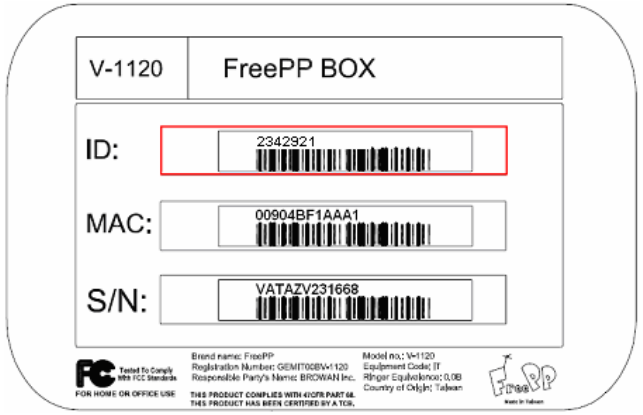
4. 首先會出現歡迎頁面，按**下一步**開始設定。

| | |
|---|---|
| ! | BOX 的出廠 IP 設定值為自動取得 IP (DHCP client)。 |

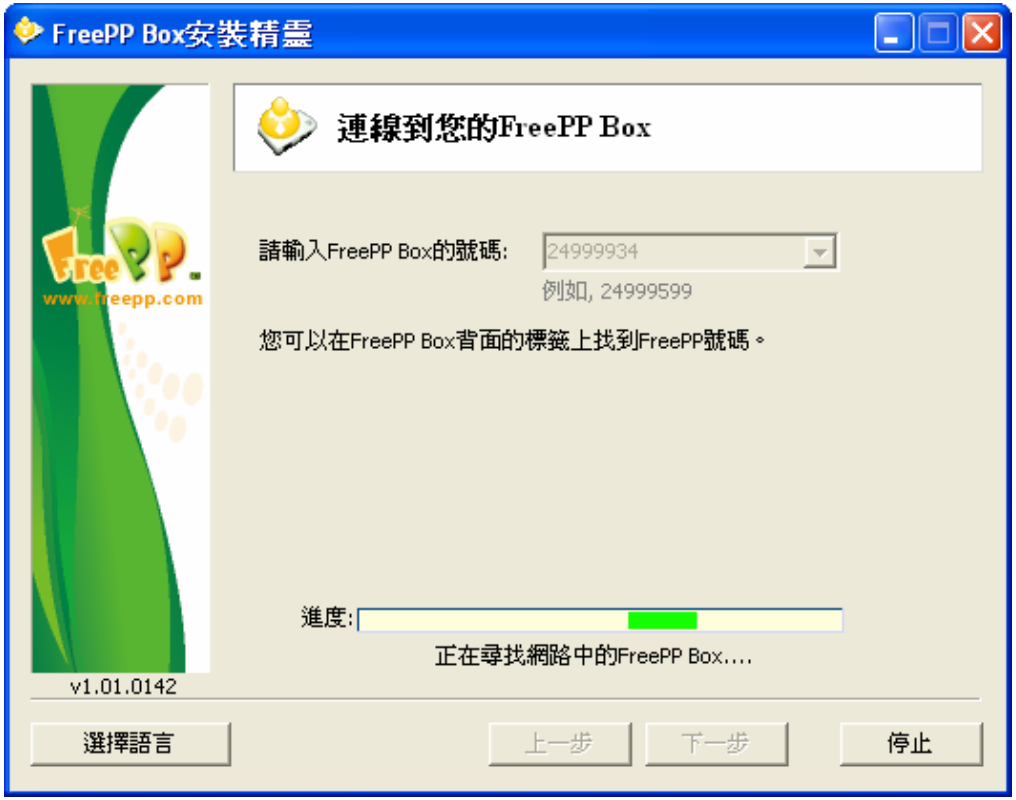
# 輸入 BOX 的 FreePP ID

1. 輸入 BOX 的 FreePP ID

2. BOX 背後的產品標籤上可以找到 ID



3. 按下一步開始自動尋找 BOX



4. 安裝精靈會顯示 BOX **現在使用的設定**

# 您想做什麼？

安裝精靈提供四種設定：

1. 設定 FreePP BOX 的基本參數
2. 變更 FreePP BOX 的密碼
3. 升級 FreePP BOX 的韌體
4. 調整 FreePP BOX 的音量

# 設定 FreePP 的基本參數 | 地區設定

1. 請選擇您的所在地區。
2. **新增**與**刪除**國際長途前置碼國內長途前置碼。
3. 根據您所在地區選擇**阻抗**與**頻率**。

**FreePP 精靈撥號**

假如您想節省撥打國際電話或行動電話的費用，那麼您應該使用 FreePP OUT 功能。通常 FreePP Out 的撥號方式為 **00 國碼 區碼 電話號碼**，而選擇 **FreePP 精靈撥號**後，可以讓您不改變原本撥長途電話號碼的習慣，直撥 **區碼 電話號碼** 即可。撥號後您也會先聽到系統播報您所剩餘的點數，然後系統會再幫您接通。因此在您決定啟動 FreePP 精靈撥號功能時，請正確地輸入當地的區域設定。

# Tone 辨識程序

**Tone 辨識程序**的功能，主要是讓您的 FreePP Box 可以學習如何辨識您所在地 Busy Tone 的設定。**Tone 辨識程序**是建議使用的功能。

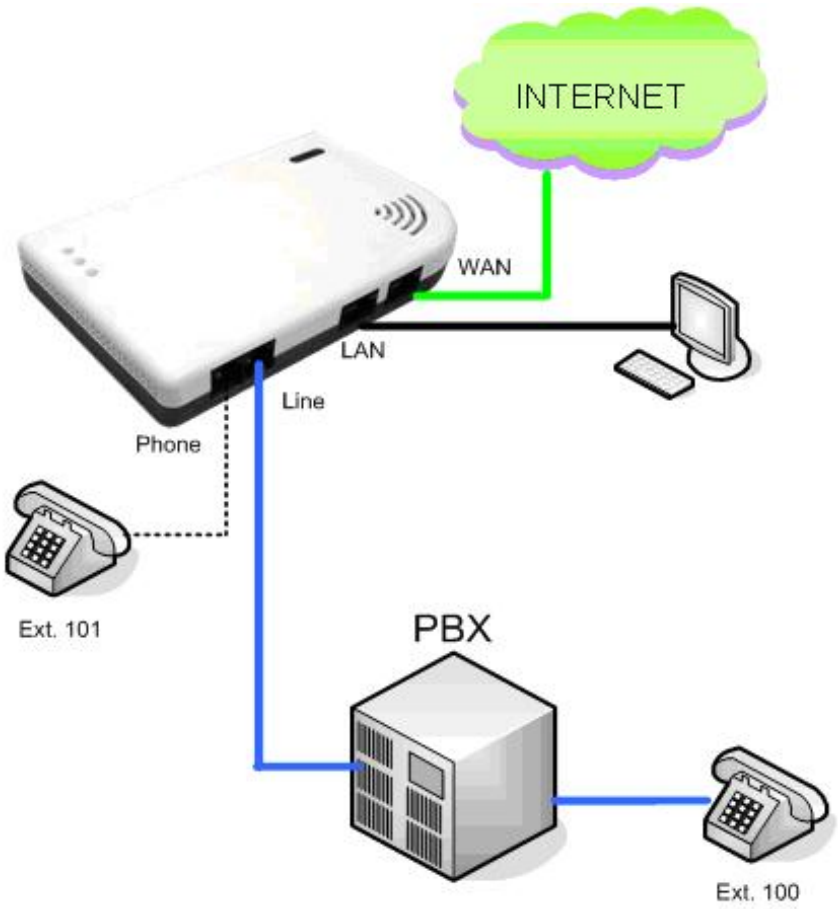
您有兩種 BOX 的連接方式可用於設定 **Tone 辨識程序**，**固網 PSTN** 與**專用交換分機方式**。

**1. 固網連接圖（PSTN）**

如果您使用**固網方式連接**，在設定連接完成後，您可使用另一個固網電話號碼撥打與您 Box 連接上之固網電話號碼。(在右圖的例子來說 您可以使用 Telephone: 01-12340000 的固網電話號碼 撥打給 Telephone: 01-12341111 另一個固網電話號碼以進行設定動作)

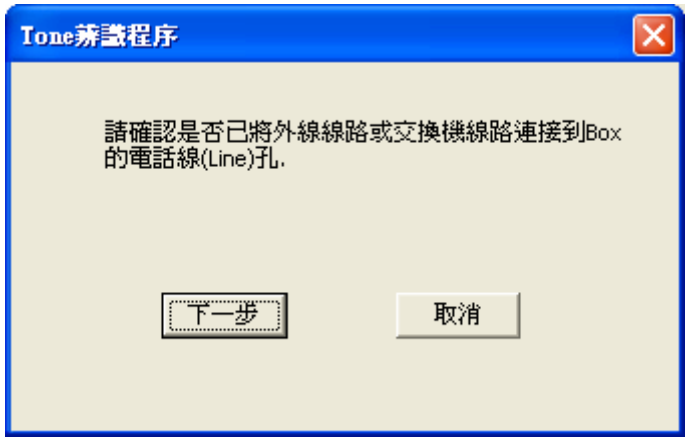
**2. 專用交換分機連接圖（PBX）**

如果您使用**專用交換分機方式連接**，在設定連接完成後，您可使用另一個專用交換分機號碼撥打與您 Box 連接上之專用交換分機號碼。(在右圖的例子來說 您可以使用 Ext.100 的分機撥打給另一個 Ext.100 分機號碼以進行設定動作)

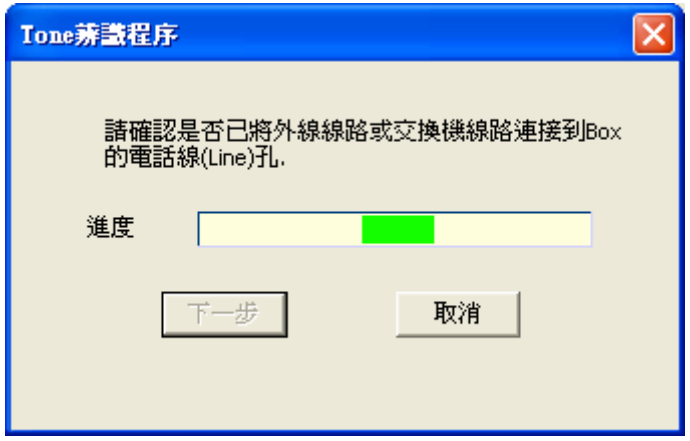


以下的說明 **Tone 辨視程序**的設定步驟:

步驟 1:

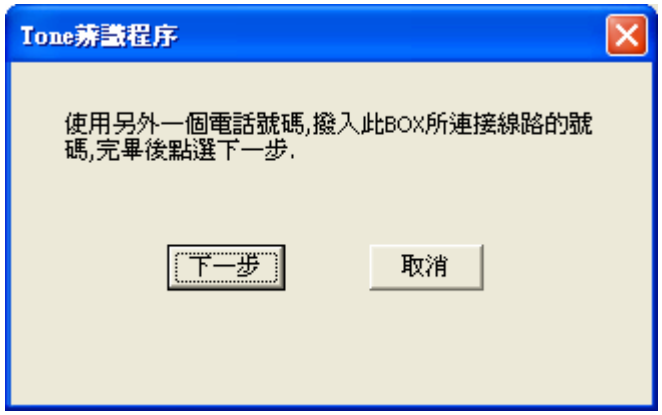



進行程序中

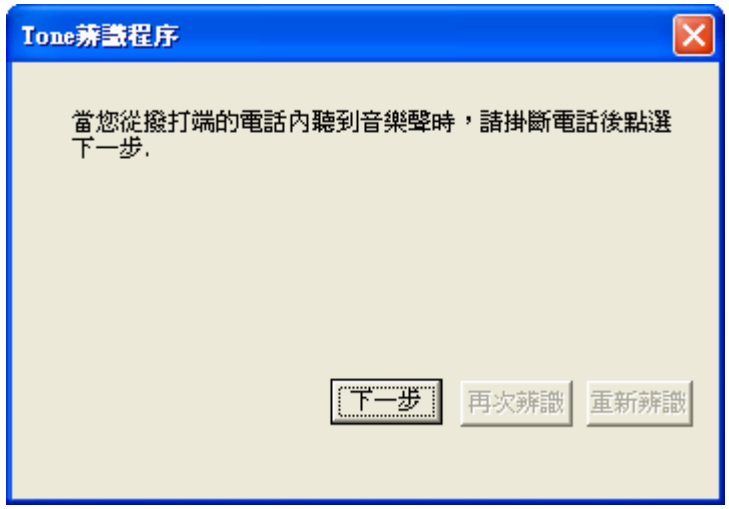


步驟 2:

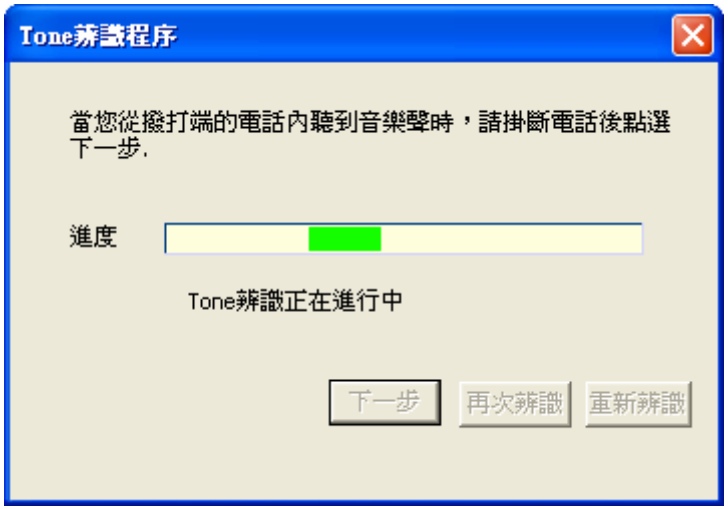
請使用另外一個**固網(PSTN)**或**專用交換分機 (PBX)**號碼，打進與您 Box 連上的電話號碼。




步驟 3:

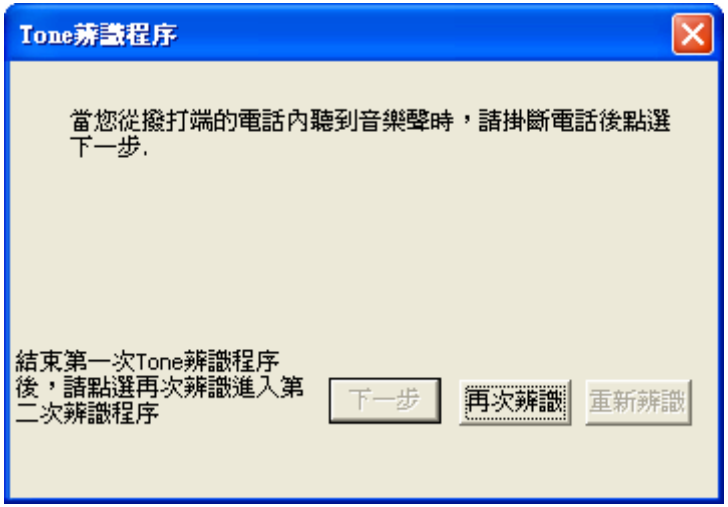


進行程序中

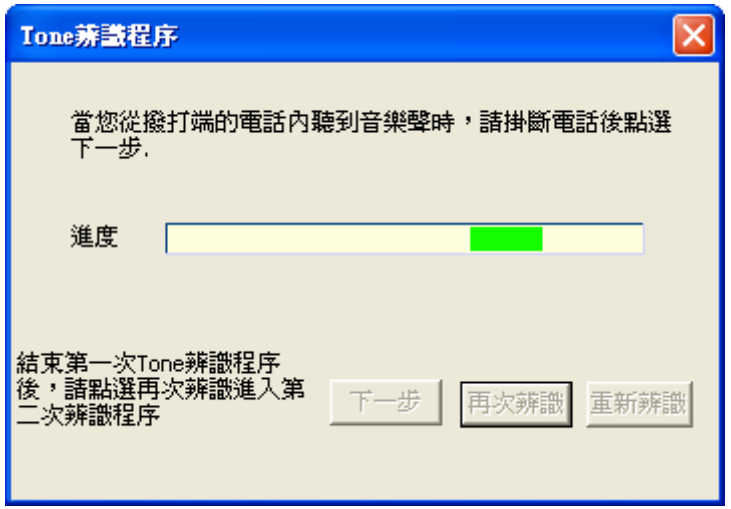



步驟 4:

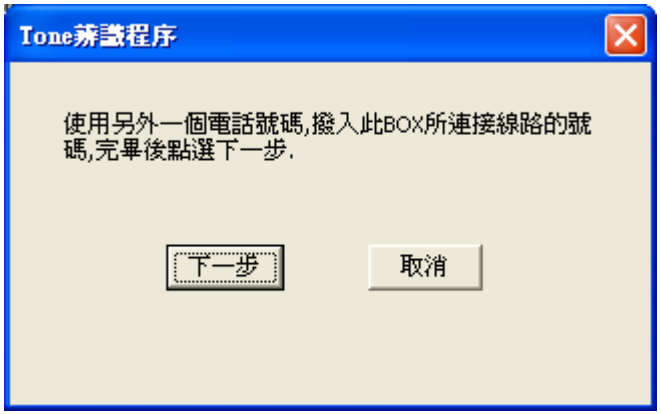
**第一次 Tone 辨識程序**完成後，請按下**再次辨識**以開始**第二次辨識程序**。



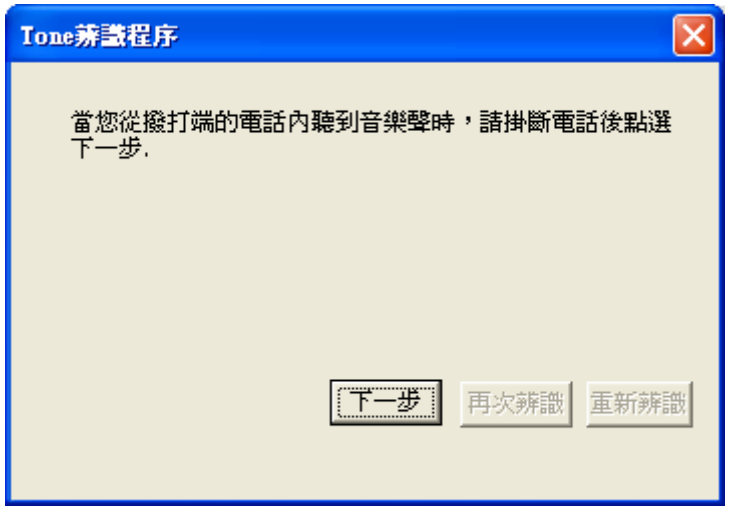
進行程序中


Tone辨識程序
當您從撥打端的電話內聽到音樂聲時，請掛斷電話後點選下一步.
進度
結束第一次Tone辨識程序後，請點選再次辨識進入第二次辨識程序
下一步
再次辨識
重新辨識

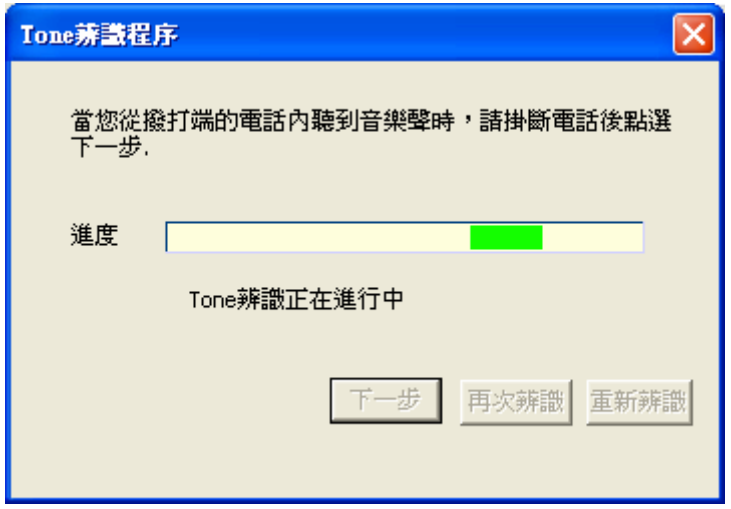
步驟 5:


Tone辨識程序
使用另外一個電話號碼,撥入此BOX所連接線路的號碼,完畢後點選下一步.
下一步
取消

步驟 6:

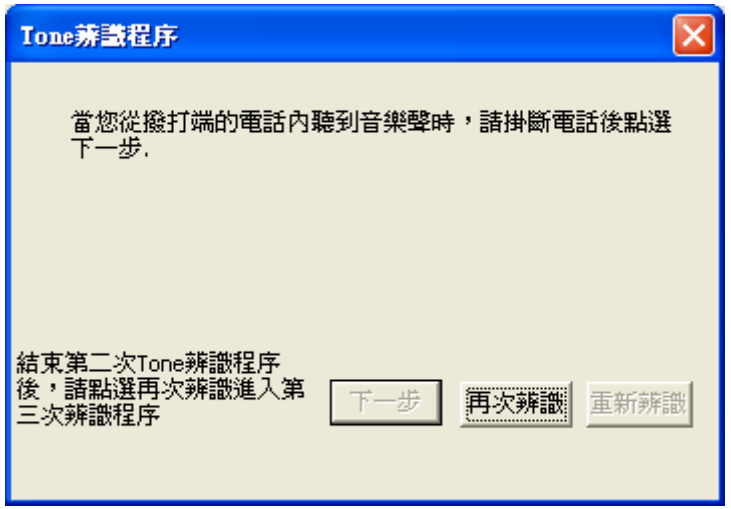

Tone辨識程序
當您從撥打端的電話內聽到音樂聲時，請掛斷電話後點選下一步.
下一步
再次辨識
重新辨識

進行程序中

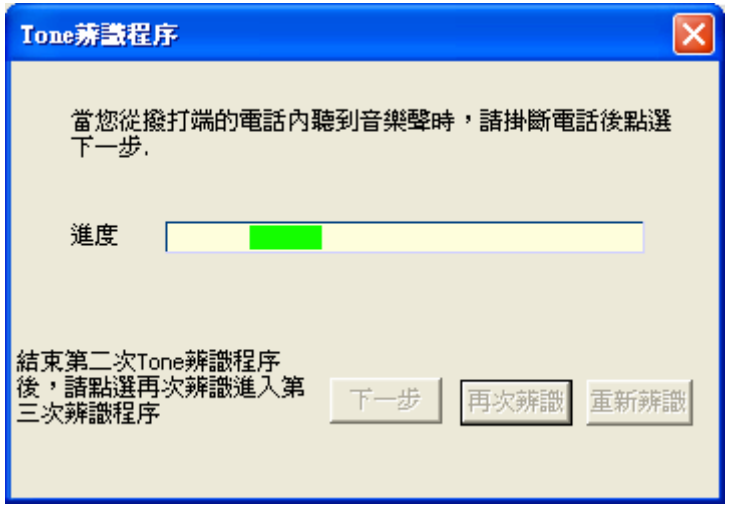

Tone辨識程序
當您從撥打端的電話內聽到音樂聲時，請掛斷電話後點選下一步.
進度
Tone辨識正在進行中
下一步
再次辨識
重新辨識

步驟 7:

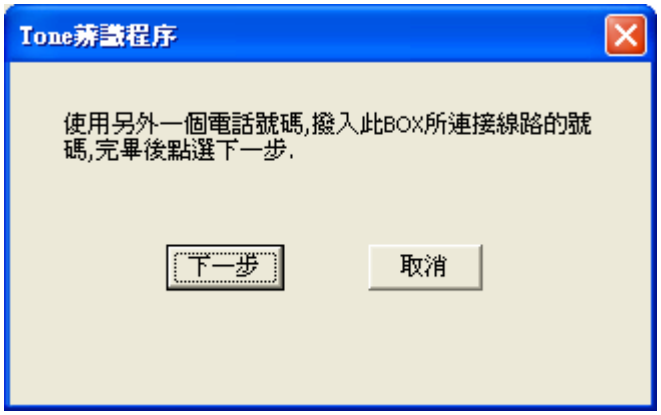
**第二次 Tone 辨識程序**完成後，請按下**再次辨識**以開始**第三次辨識程序**。



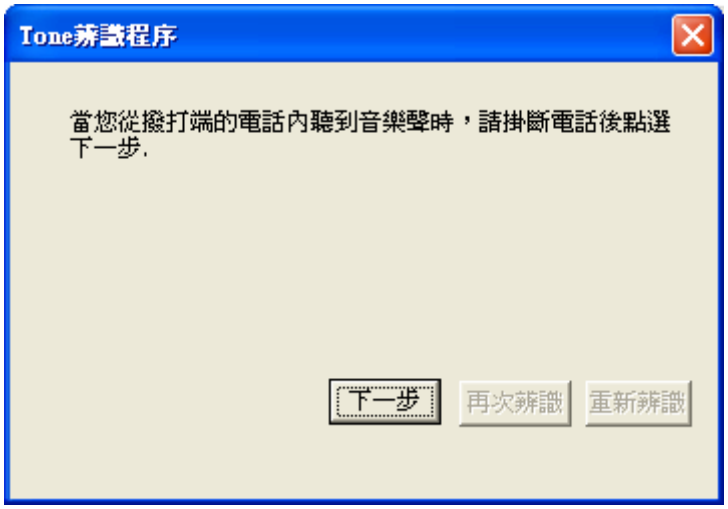

進行程序中



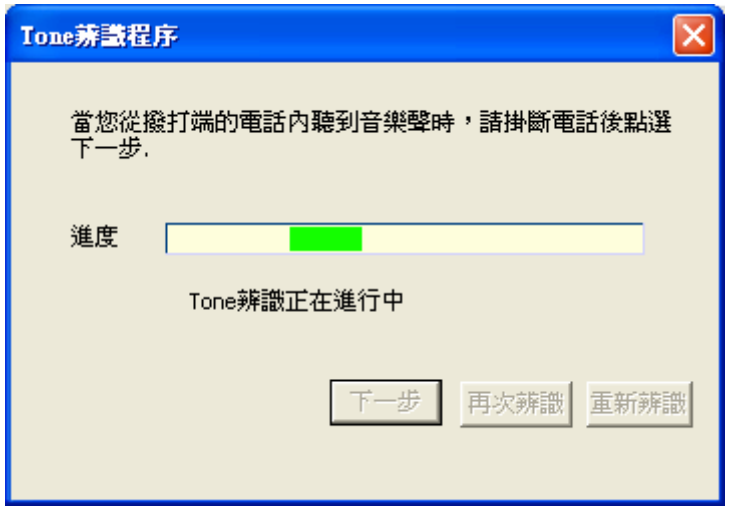
步驟 8:


Tone辨識程序
使用另外一個電話號碼,撥入此BOX所連接線路的號碼,完畢後點選下一步.
下一步
取消

步驟 9:

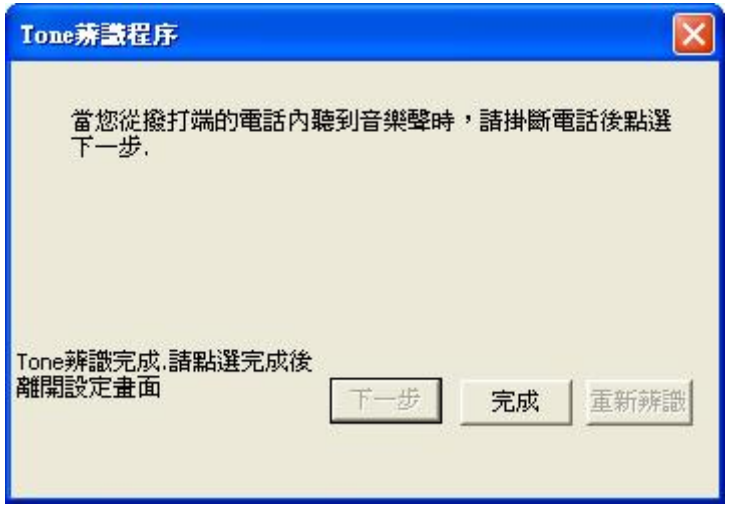

Tone辨識程序
當您從撥打端的電話內聽到音樂聲時，請掛斷電話後點選下一步.
下一步
再次辨識
重新辨識

進行程序中

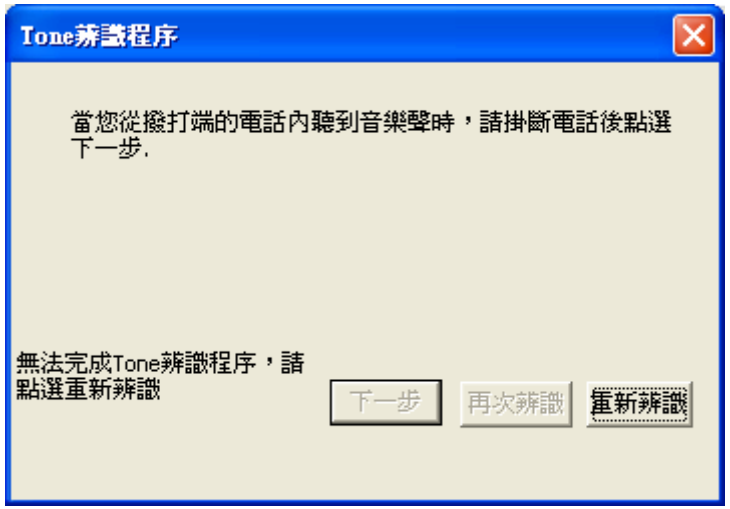



步驟 10:

**Tone 辨識程序**完成後，按下 OK 後就可以退出辨識程序。

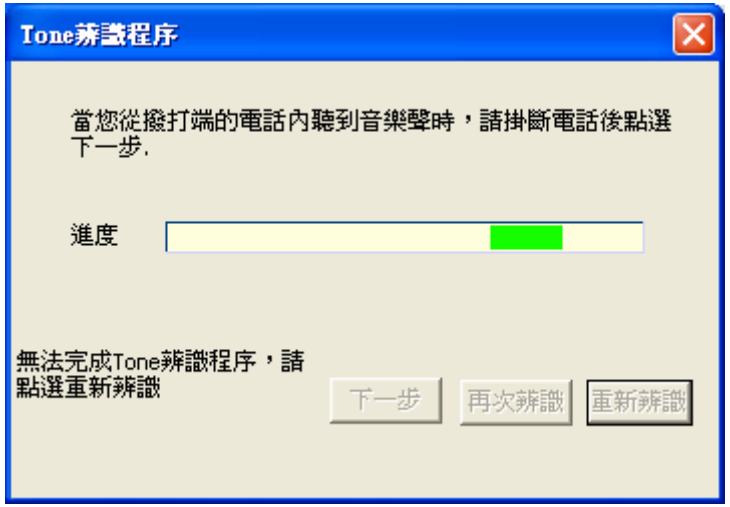


如果您無法完成 **Tone 辨識程序**，請重新檢查連接處，並按下**重新辨識**，然後重新開始辨識。




進行程序中

在您按下**重新辨識**後，所有程序重新進行辨識。



# 設定 FreePP 的基本參數 | 進階設定

為了您的方便起見，您可以在此輸入一個屬於 BOX 的**暱稱**，這樣您就可以在您的**聯絡人清單**裡得知此 BOX 的**狀態**。

**使用 EG.711 語音編碼:**

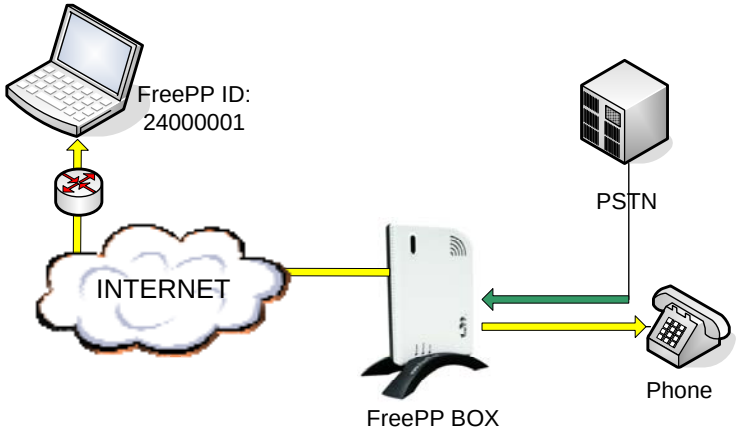
FreePP 可以根據頻寬與網路條件動態使用不同的語音編碼。**EG.711** 在網路條件較差的情況下，仍然能夠提供較好的通話品質，但它會至少**佔用 80Kbps 上傳頻寬**。

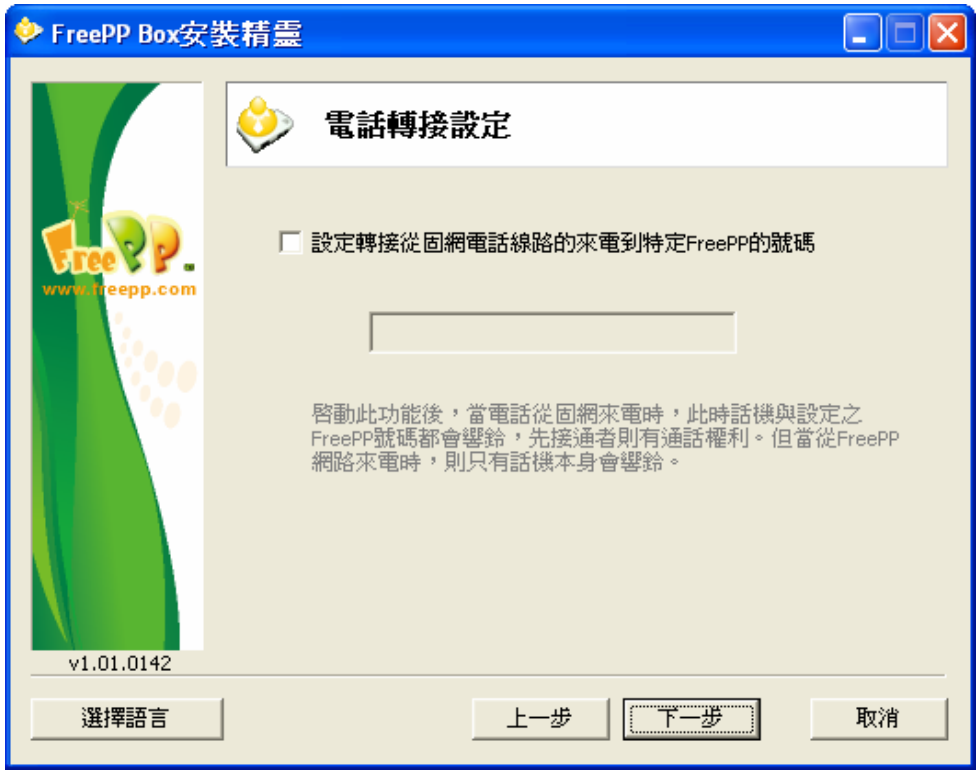
**CS 與 NS 伺服器位址**，是讓已經有 CS 與 NS 伺服器位址用戶進行設定和更改，而此項設定主要是提供給企業用戶使用。

| | |
|---|---|
| i | BOX 狀態： 上線狀態(包括上線、忙碌和離開) 、名稱和 FreePP 號碼。 |

# 設定 FreePP 的基本參數 | 電話轉接設定

您可以輸入一個特定 FreePP 號碼，轉接從固網電話線路的來電至您輸入的 FreePP 號碼。啟動此功能後，當電話從固網來電時，此時話機與設定之 FreePP 號碼都會響鈴，先接通者則有通話權利，但當從 FreePP 網路來電時，則只有話機本身會響鈴。



# 設定 FreePP 的基本參數 | 選擇 Internet 連接方式

請選擇 BOX 連接 Internet 的方式

- **透過區域網路連上 Internet**。這種連線方式通常不需要用戶名稱與密碼的，例如區域網路。
- **需要用戶名稱與密碼連上 Internet**。透過撥號連線(PPPoE)適用於 ADSL 用戶。

# 設定FreePP的基本參數 | 選擇Internet 連接方式 | 透過區域網路連上Internet | 設定IP位址 | 自動取得 IP 位址

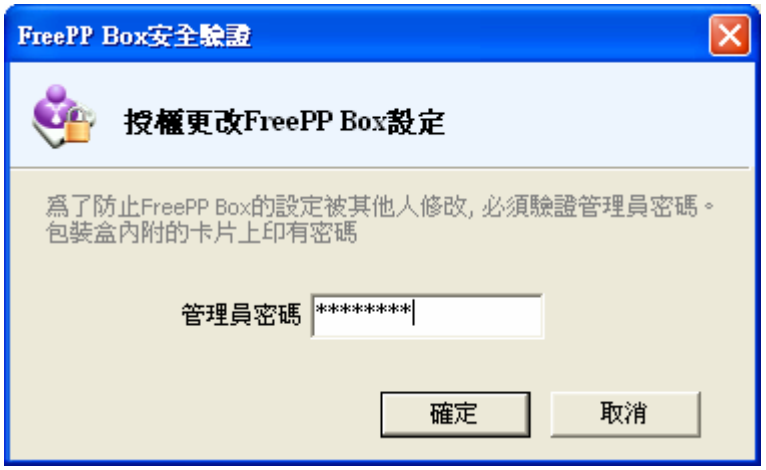
**自動取得 IP 位址 (DHCP Client)**

出廠預設值為 DHCP client。如果不知道網路環境設定為何，請保持此設定，現在大多數網路環境都是屬於會自動指派 IP 的設定。此外，當 BOX 無法取得 IP 時，會自動使用曾經與 FreePP 伺服器成功連線過的 IP 當作是本機現在的 IP，其智能設計會使用多組 IP 嘗試著建立連線。

按**套用**以便新設定生效。

**FreePP BOX 安全驗證**

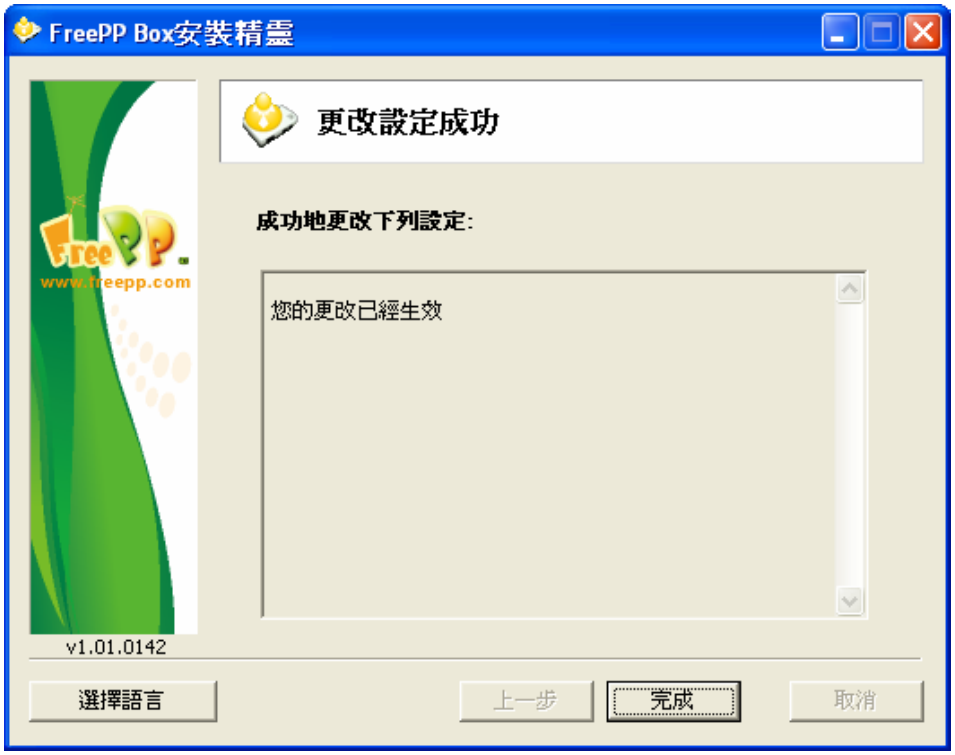
輸入密碼以使得新設定生效。密碼可以在包裝盒內附的卡片上找到。




**更改設定成功**

當您成功設定且按下**完成**後，安裝精靈會顯示變更的設定，並且會重新啟動 BOX 使新設定生效。

.



**確定退出安裝精靈?**

按下**完成**後，會有個小視窗跳出。

如果您想退出，請按**確定**。

如果您想回到前一個視窗，請按**取消**。

# 設定FreePP的基本參數 | 選擇Internet 連接方式 | 透過區域網路連上Internet | 設定IP位址 | 固定 IP 位址

**使用固定 IP 位址**

輸入已知的 IP 位址或連絡網路系統管理員獲得網路環境的設定值。

**啟動路由器模式**

BOX 內建 DHCP server，可以指派 IP 地址給連接其 LAN 埠的電腦，充當 IP 分享器用。

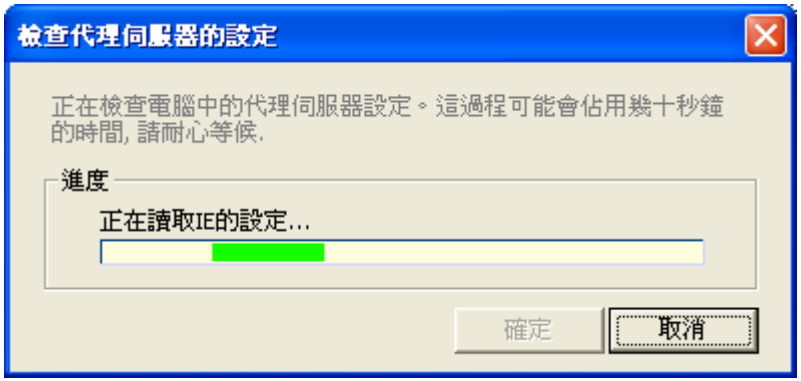
**使用代理伺服器**

代理伺服器介於客戶端與 Web 伺服器，作用為控制存取網頁與節省存取網頁的時間。如果欲存取網頁的資料已超出期限或沒有資料可供存取，代理伺服器會複製一份網頁資料在本機中。

代理伺服器也會阻擋 FreePP 連線設定資料的傳遞與接收，因此會使得 FreePP BOX 與系統的連線受阻而導致某些加值功能無法使用。

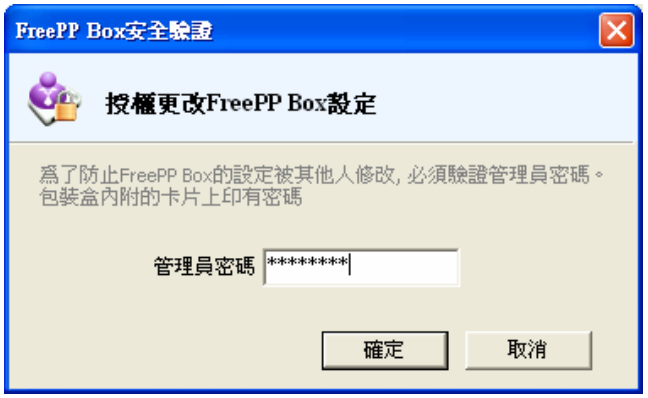
安裝精靈提供兩個代理伺服器的安裝設定：

1. 使用自動讀取 IE 的設定，轉換 IE 設定至 BOX。
2. 自行輸入代理伺服器的 IP 位址。



**FreePP BOX 安全驗證**

輸入密碼以使得新設定生效。密碼可以在包裝盒內附的卡片上找到。




**更改設定成功**

當您成功設定且按下**完成**後，安裝精靈會顯示變更的設定，並且會重新啟動 BOX 使新設定生效。

**確定退出安裝精靈?**

按下**完成**後，會有個小視窗跳出。

如果您想退出，請按**確定**。

如果您想回到前一個視窗，請按**取消**。

| | |
|---|---|
| ! | 如果已使用自動取得 IP 位址 (DHCP Client)或固定 IP 位址都無法見到藍色系統燈亮，請聯絡網路管理員以了解網路環境的設定。或許可以參考下一節 PPPoE 的設定。 |

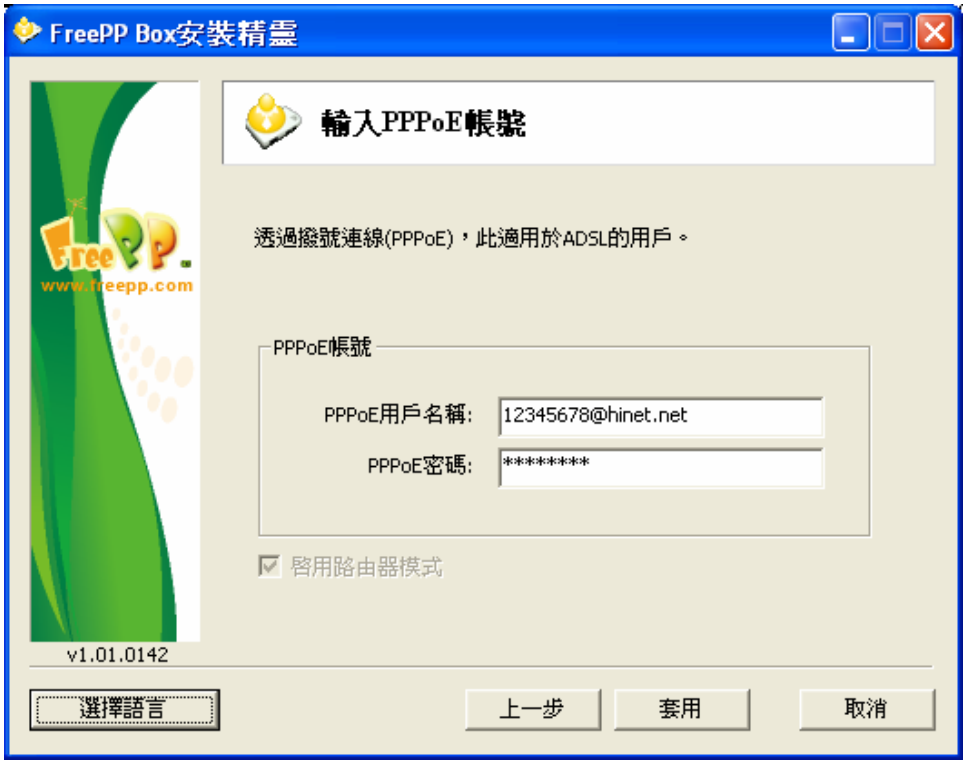
# 設定 FreePP 的基本參數 | 選擇 Internet 連接方式 | 需要用戶名稱與密碼連上 Internet

**PPPoE 帳號**

**PPPoE** 全名為 **Point-to-Point Protocol over Ethernet**，常用於 ADSL 系統之中。輸入 **Username** 與 **Password** 後，按套用生效。

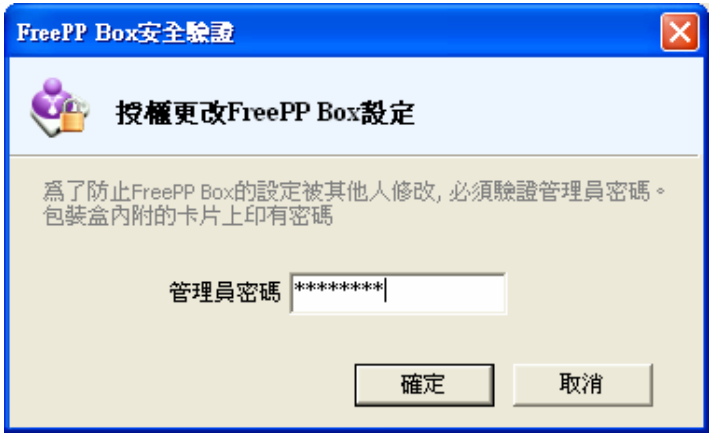
路由器模式(預設為啟動)
BOX 內建 DHCP server，可以指派 IP 地址給連接其 LAN 埠的電腦，充當 IP 分享器用。

按**套用**後使新設定值生效。



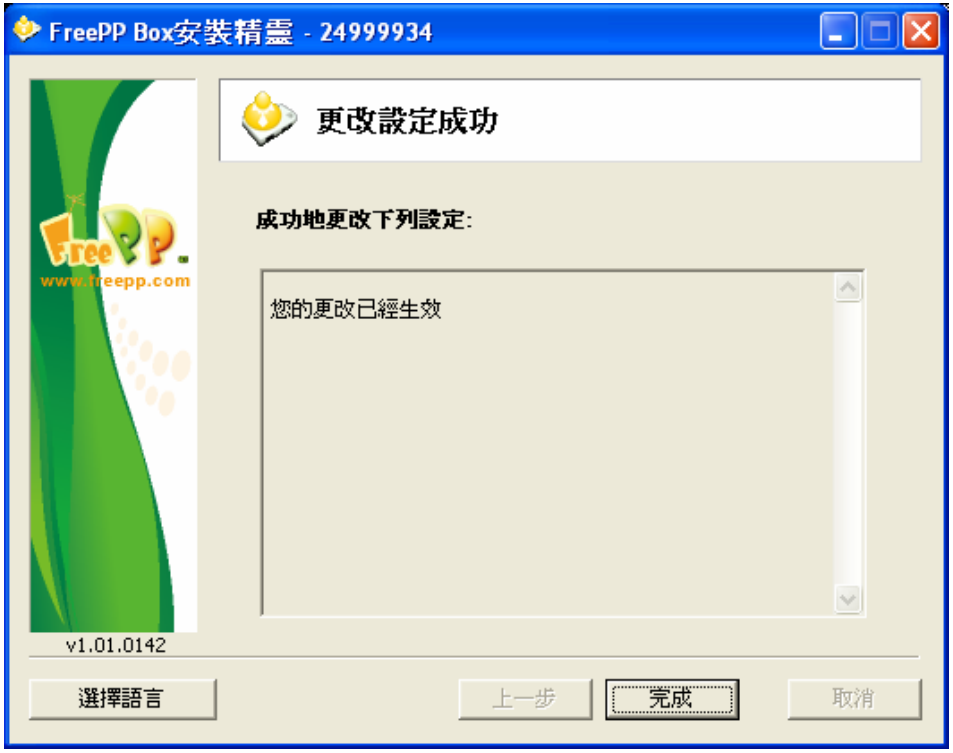
**FreePP BOX 安全驗證**

輸入密碼以使得新設定生效。密碼可以在包裝盒內附的卡片上找到。




**更改設定成功**

當您成功設定且按下**完成**後，安裝精靈會顯示變更的設定，並且會重新啟動 BOX 使新設定生效。



**確定退出安裝精靈?**

按下**完成**後，會有個小視窗跳出。

如果您想退出，請按**確定**。

如果您想回到前一個視窗，請按**取消**。

| | |
|---|---|
| | 1. 某些 ISP 業者會提供 PPPoE 連線精靈安裝在電腦上，以便快速建立網路連線。但把使用者名稱與密碼輸入到 BOX 後，BOX 後自動啟動網路連線，就不需要再執行電腦上的 PPPoE 連線精靈。<br>2. 如果無法見到藍色系統燈亮，請聯絡網路管理員以了解網路環境的設定。 |

# 修改 FreePP BOX 的密碼

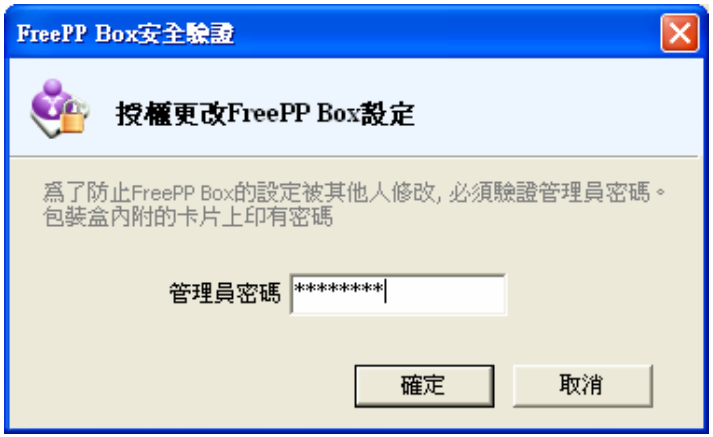
為防止未經授權人員隨意修改 BOX 的設定，建議定期更換密碼。

1. 新密碼須為 **6 到 16 個阿拉伯數字**。
2. 不可使用英文字母或其他文字。
3. 按**套用**鍵使新設定值生效。

注意當 BOX 被還原至出廠值設定後，密碼會也回復到出廠值。

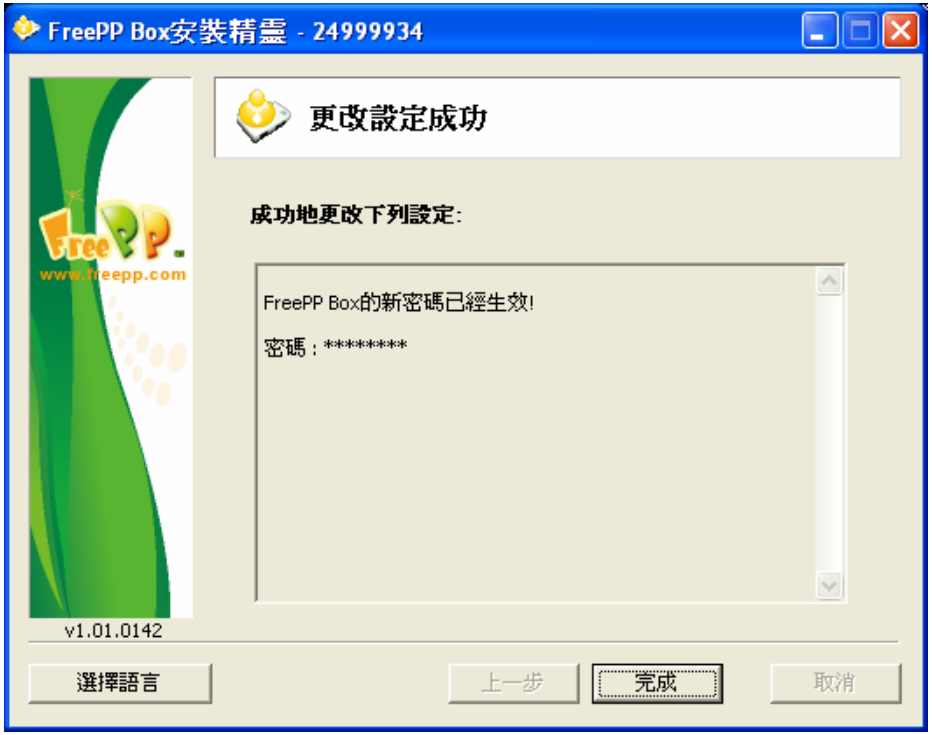
**FreePP BOX 安全驗證**

輸入密碼以使得新設定生效。密碼可以在包裝盒內附的卡片上找到。




**更改設定成功**

當您成功設定且按下**完成**後，安裝精靈會顯示變更的設定，並且會重新啟動 BOX 使新設定生效。



**確定退出安裝精靈?**

按下**完成**後，會有個小視窗跳出。

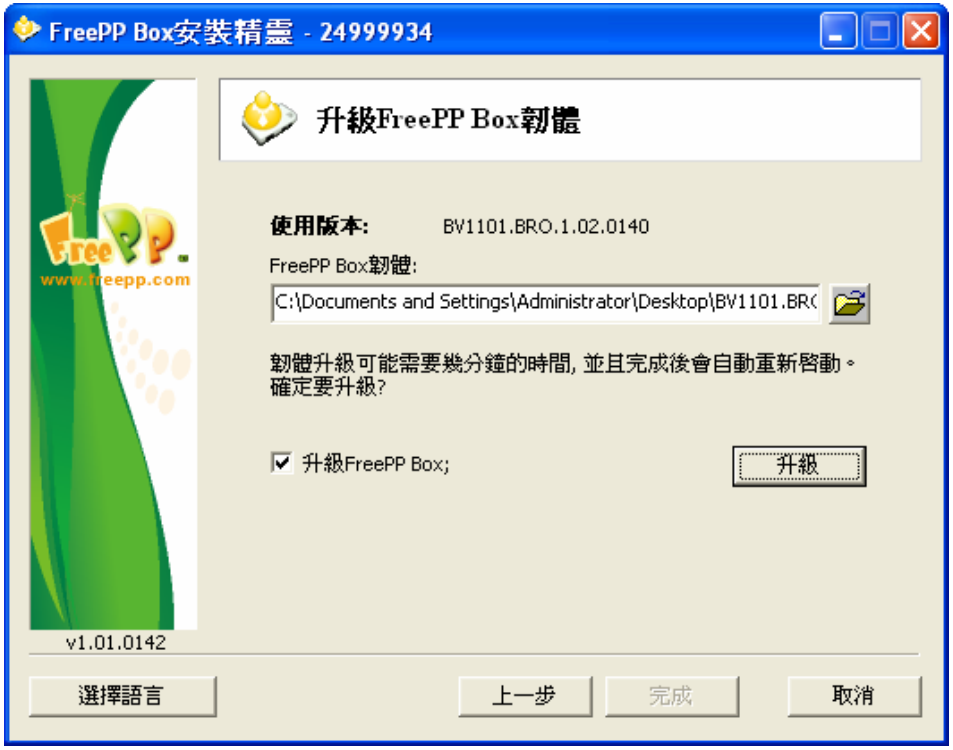
如果您想退出，請按**確定**。

如果您想回到前一個視窗，請按**取消**。

# 升級 FreePP Box 的韌體

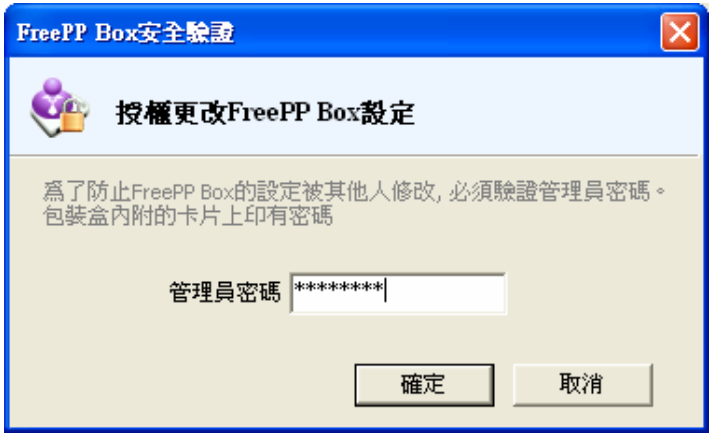
升級 FreePP Box 的韌體以擁有最新的功能。

1. 請到 FreePP 網頁內的 **HELP** 下載最新的 BOX 韌體。
2. 指定新韌體的路徑後，選擇**升級 FreePP BOX** 後，按升級鍵開始執行升級動作。

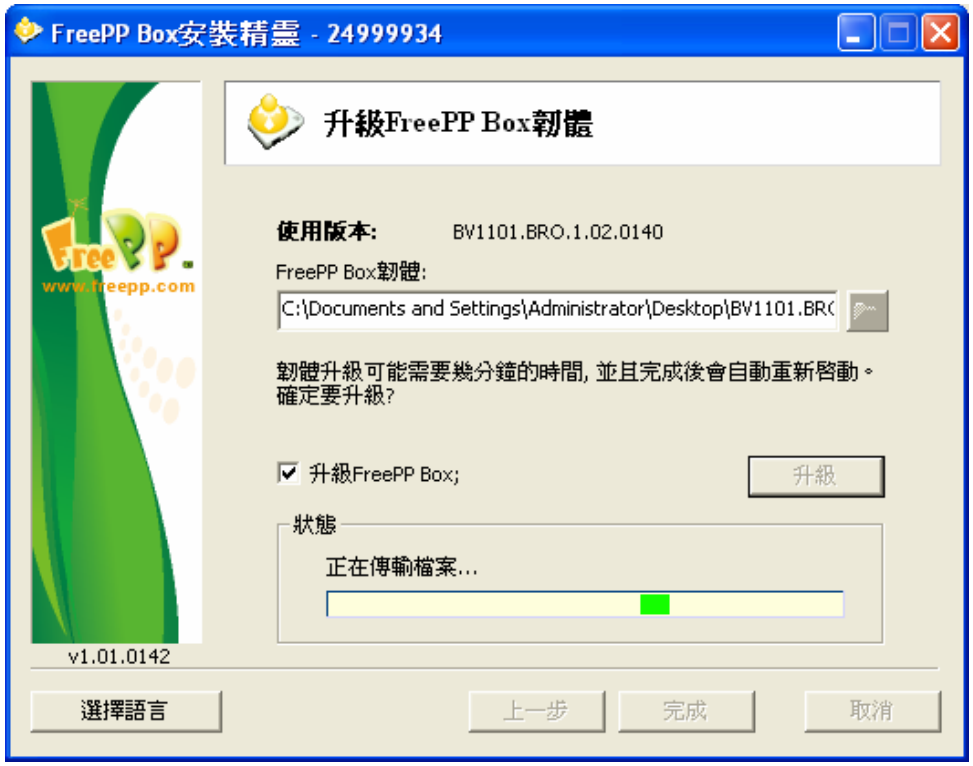


**FreePP BOX 安全驗證**

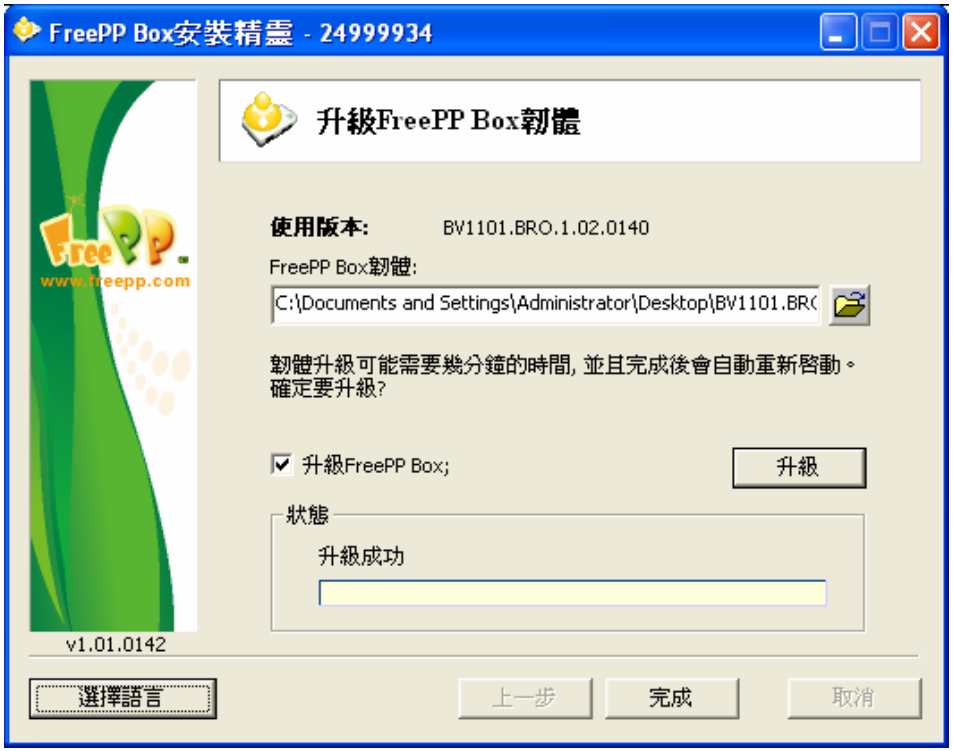
輸入密碼以使得新設定生效。密碼可以在包裝盒內附的卡片上找到。




升級過程約需兩分鐘，請等待。



BOX 會自動重新啟動並出現升級成功的訊息。




**確定退出安裝精靈?**

按下**完成**後，會有個小視窗跳出。

如果您想退出，請按**確定**。

如果您想回到前一個視窗，請按**取消**。

# 調整 FreePP BOX 音量

調節音量: 經由移動以下滑動指示器，可以分別變更 Line 與 Phone 的音量。

**更改設定成功**

當您成功設定且按下**完成**後，安裝精靈會顯示變更的設定，並且會重新啟動 BOX 使新設定生效。

**確定退出安裝精靈?**

按下**完成**後，會有個小視窗跳出。

如果您想退出，請按**確定**。

如果您想回到前一個視窗，請按**取消**

# 第五章： 撥打 FreePP 網路電話

## 撥打 FreePP 網內電話

**如果 BOX 只連接電話機(Phone 接電話機，Line 未接電話線)**

1. 提起話機，聽到撥號音後直撥 FreePP 號碼
2. 例如撥打 FreePP 號碼 24000001，請撥 **24000001**

**如果 BOX 有連接電話機與電話線(Phone 接電話機，Line 接電話線)**

1. 提起話機，按 *
2. 聽到撥號音後直撥 FreePP 號碼
3. 例如撥打 FreePP 號碼 24000001，請撥 * **24000001**

| | |
|---|---|
| ! | 網內互打電話免費。 |

# 使用 FreePP 系統撥打網外電話(FreePP Out)

撥打國內市話、長途電話或國際電話號碼

**如果 BOX 只連接電話機(Phone 接電話機，Line 未接電話線)**

1. 提起話機，聽到撥號音後，撥 **00　國碼　區碼　電話號碼**
2. 例如撥打台北市政府(電話:+886-2-27208889)，請撥 **00 886 2 27208889**，先聽到自動語音播報剩下的餘額點數，然後再接通。

| | |
|---|---|
| ! | 電話費用請參考 FreePP 網路電話服務的費率而定。 |

**如果 BOX 有連接電話機與電話線(Phone 接電話機，Line 接電話線)**

1. 提起話機，按 *
2. 聽到撥號音後，撥 **00　國碼　區碼　電話號碼**
3. 例如撥打台北市政府(電話:+886-2-27208889)，請撥 * **00 886 2 27208889**，先聽到自動語音播報剩下的餘額點數，然後再接通。

# 撥打固網外線電話

有兩種方式可以撥打固網電話：

1. 當 LINE 與固網線路 PSTN 連接時，拿起話筒直接撥固網號碼即可。

| | |
|---|---|
| | 此時電話費用視使用的固網服務的費率而定。 |

2. 當 LINE 未連接固網線路 PSTN 時，可以使用 FreePP 系統撥打固網外線電話( **00　國碼　區碼　電話號碼**)。

| | |
|---|---|
| | 此時電話費用請參考 FreePP 網路電話服務的費率而定。 |

# 接聽電話

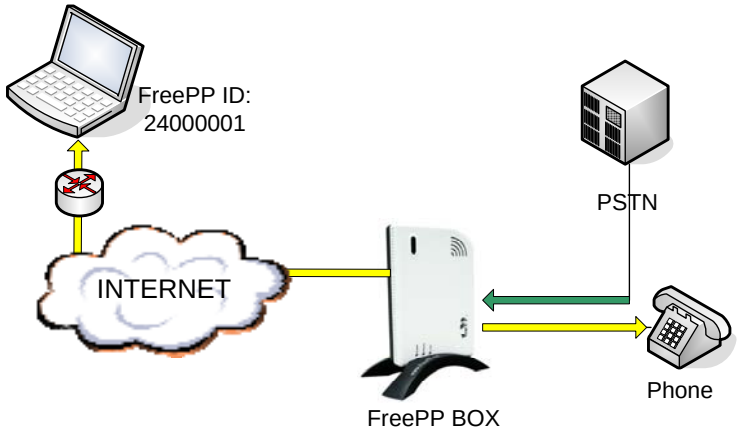
電話鈴聲響起，直接拿起話筒就可以講話

# 轉接固網電話至 FreePP 號碼

設定轉接從固網電話線路的來電到特定 FreePP 的號碼

| | |
|---|---|
| ! | 啟動此功能後，當固網電話來電時，此時本機電話與設定之 FreePP 號碼都會響鈴，先接通者則享有通話權利。但當 FreePP 來電時，則只有本機電話會響鈴。 |

| | |
|---|---|
| ! | 請參考本手冊使用 FreePP 安裝精靈設定**轉接固網電話至 FreePP 號碼**。<br>（設定 FreePP 的基本參數 ｜ 電話轉接設定） |



# 第六章： FreePP 儲值帳戶

## 為 FreePP 帳戶儲值或購買新點數

1. 到 FreePP 網站 http://www.freepp.com
2. 點選我的帳戶"My Account"
3. 輸入 BOX ID 與密碼
4. 在左手邊的選項中選擇儲值方式：預付卡或線上刷卡

## 預付卡

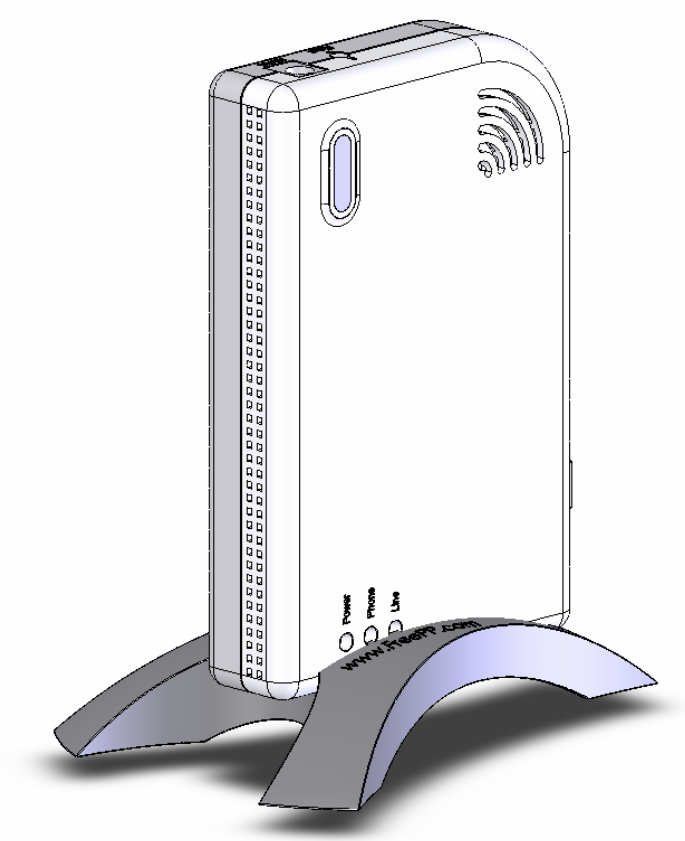
1. 刮開預付卡背後的銀漆
2. 輸入預付上的 PIN code
3. 按確定後系統會自動完成儲值動作

## 線上刷卡

1. 選擇購買的金額
2. 自動進入加密的信用卡網頁，輸入信用卡卡號與必要訊息
3. 按確定後系統會自動完成儲值動作

# 第一章：概述

感谢您购买 FreePP BOX Express。FreePP BOX Express 是可以在现有的宽带网络上拨打 FreePP 网络转接电话的 VoIP 电话设备。手册中的内容：

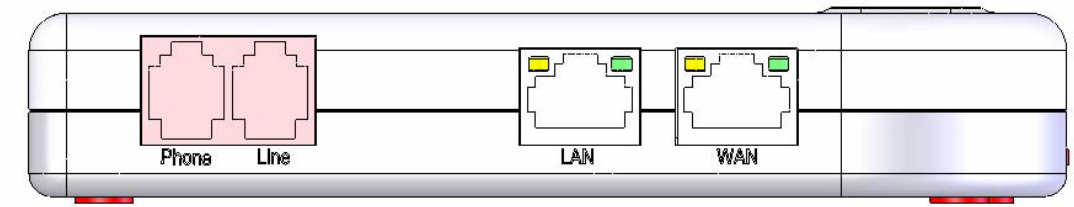


该手册中包含如何按步骤安装 FreePP BOX。

- 第一章：概述
- 第二章：了解 FreePP BOX
- 第三章：连接 FreePP BOX
- 第四章：用 FreePP BOX Installer 配置 FreePP BOX
- 第五章：用 FreePP BOX 拨打电话

# 第二章：了解 FreePP BOX

## 前面板连接器



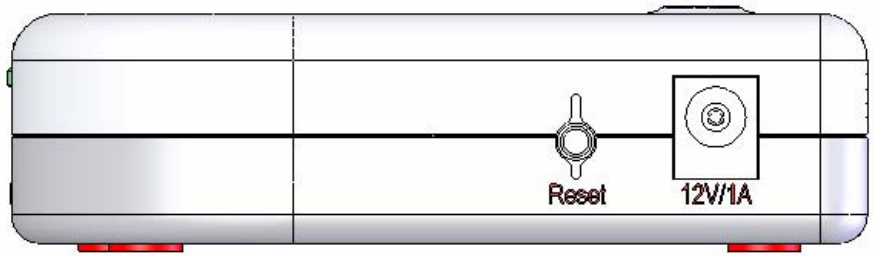

| 连接器 | 描述 |
|---|---|
| PHONE | 用一根 RJ-11 接口的电话线将 BOX 的 PHONE 口与一台普通电话机连接。. |
| LINE | 将 BOX 的 LAN 口与连接本地电话系统的电话插座连接。 |
| LAN | 用一根五类以太网线缆将 LAN 口与 PC 机或 Hub 连接。 |
| WAN | 用一根五类以太网线缆将 WAN 口与调制解调器或者路由器连接。 |

| | |
|---|---|
| ! | 建议您将 BOX 与本地的公共交换电话网（PSTN）连接，这样您仍然可以继续使用本地的电话网络服务。 |

# 指示灯

| 指示灯 | 颜色 | 描述 |
|---|---|---|
| Power | 绿色 | BOX 接通电源后该指示灯亮。 |
| Phone | 绿色 | 摘电话机时该指示灯亮，挂电话机时该指示灯灭。 |
| Line | 绿色 | 当 POTS 业务建立时，该指示灯亮。 |
| On-line | 蓝色 | 当您的服务帐户已经激活，并且连接注册服务器成功时，该指示灯亮。 |
| Ethernet | 绿色 | 连接且有数据传输时，该指示灯会闪动。 |
| | 橙色 | 当建立起 10/100M 连接时，该指示灯亮。 |

| | |
|---|---|
| ! | POTS（Plain Old Telephone System）即简易老式电话业务。 |

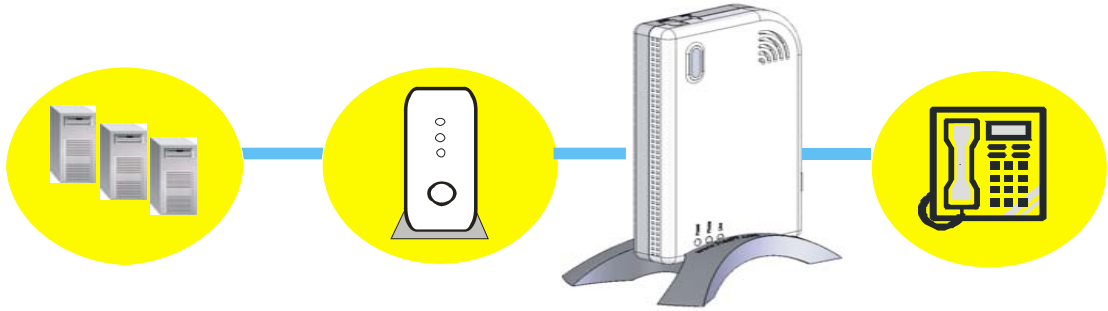



| 接口 | 描述 |
|---|---|
| Power | 电源接口用于与包装盒内附带的电源适配器连接。 |
| Reset | 当按下 Reset 按钮，BOX 会重新启动。当持续按下 Reset 按钮超过 5 秒，BOX 会重新启动并恢复到出厂默认设置。 |

# 第三章：连接 FreePP BOX

## 概述

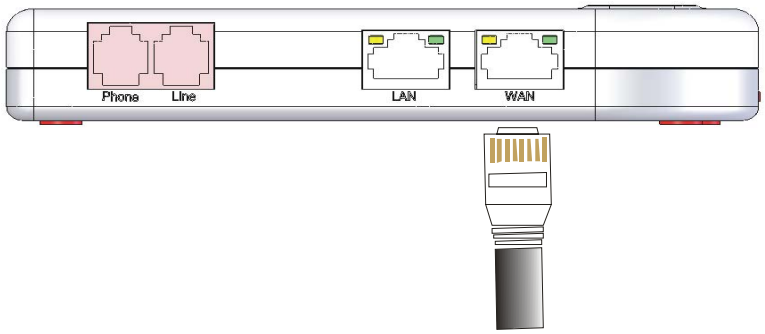
本章描述如何将 FreePP BOX 与电话机和本地网络连接。典型的连接方式如右图所示：



# BOX 连接步骤

**第 1 步：**

找到 BOX 的“WAN”口。用一根以太网线缆将 BOX 的“WAN”口与 DSL/线缆调制解调器相连。



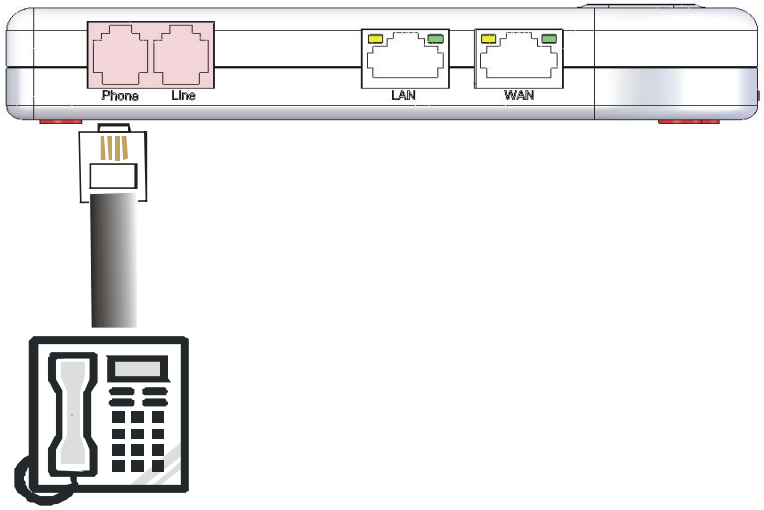

**第 2 步：**

将另外一根以太网线缆一端连接到 BOX 的“LAN”口，另一端与 PC 或笔记本电脑相连接。

| | |
|---|---|
| ! | 在没有 PC 或笔记本电脑的情况下 BOX 也可以正常工作。因此，如果您不需要使用 PC 或笔记本电脑与 BOX 连接时，您可以跳过第 2 步。 |

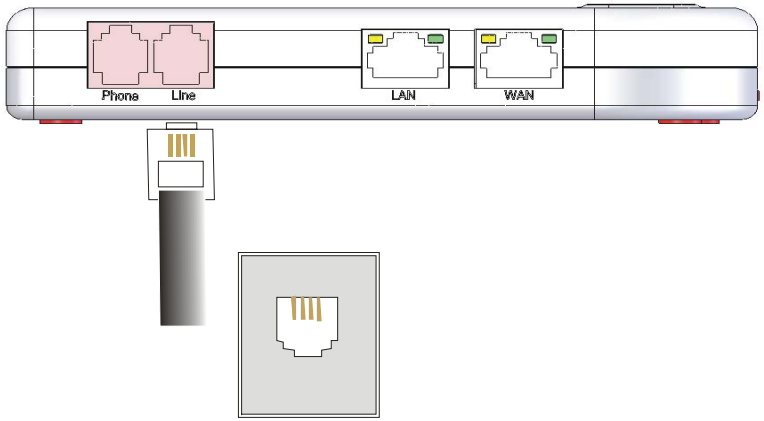
**第 3 步：**

用一根标准的电话线将 BOX 的“PHONE”口与一部电话机相连接。



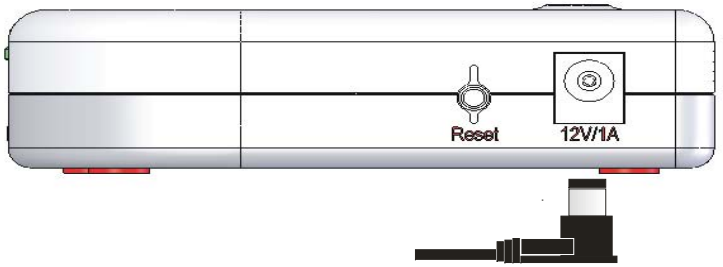

**第 4 步：**

将另外一根标准电话线一端连接到 BOX 的“LINE”口，另一端连接到墙上的电话插座。



**第 5 步：**

将电源适配器一端与 BOX 的 12V/1A 电源插孔连接，另一端插入电源插座上。BOX 启动大概需要 30 秒钟。




**第 6 步：**

开启其他所有的设备，如 PC 和 DSL/线缆调制解调器。BOX 认证成功后，右上方的蓝色 on-line 指示灯会点亮。

**第 7 步：**

当 BOX 完全启动后，右上方的蓝色指示灯会点亮，这说明 BOX 的网络电话服务已经准备就绪。为了确保服务就绪，请拿起电话听筒，当听到拨号音时，您就可以开始使用 BOX 拨打电话了。

| | |
|---|---|
| | 当完成 BOX 硬件连接后，如果 BOX 的蓝色系统连接指示灯未亮，表示电话转接盒当前的网络设置不正确，导致无法连接 FreePP 网络。详细设定请参阅第四章：用 FreePP BOX Installer 配置 FreePP BOX。 |

| | |
|---|---|
| | 某些网络会启用 MAC 认证，这种情况下您需要告知网络管理员您 BOX 的 MAC 地址。 |

# 第四章：用 FreePP BOX Installer 配置 FreePP BOX

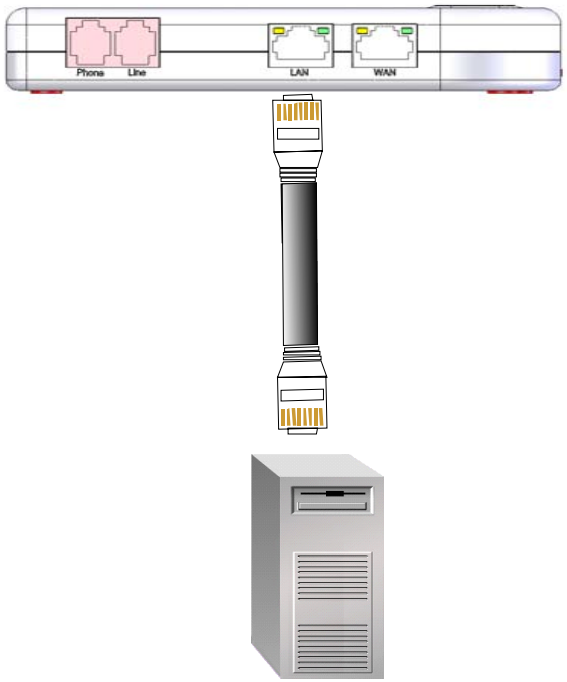
## 概述

您可以用 FreePP BOX Installer 应用软件来配置 FreePP BOX 的网络参数。根据您所在的网络环境，FreePP BOX 向导会指导您完成配置。

| | |
|---|---|
| ! | FreePP BOX 附带的 CD 中包含有 FreePP BOX Installer 应用软件，您也可以在 FreePP 网站 http://www.freepp.com 帮助页面下载最新的 FreePP BOX Installer 应用软件。 |

# 使用 FreePP BOX Installer

1. 用一根以太网线缆将 BOX 的 LAN 口和您的计算机连接起来。
2. 将 FreePP BOX Installer 安装在您的计算机上，安装向导会指导您完成安装步骤。
3. 双击桌面上的 FreePP BOX Installer 图标执行程序或点击开始->所有程序->FreePP->FreePP Box->Box Install Wizard 来执行程序。

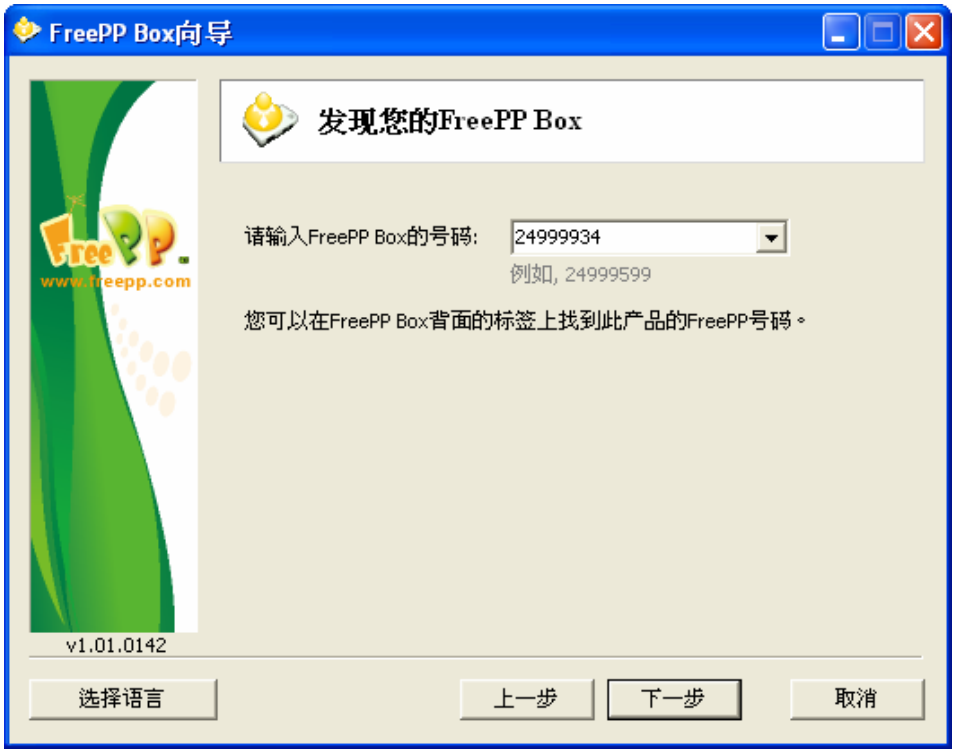


4. 程序执行后，首先进入欢迎页面。点击“下一步”开始配置。

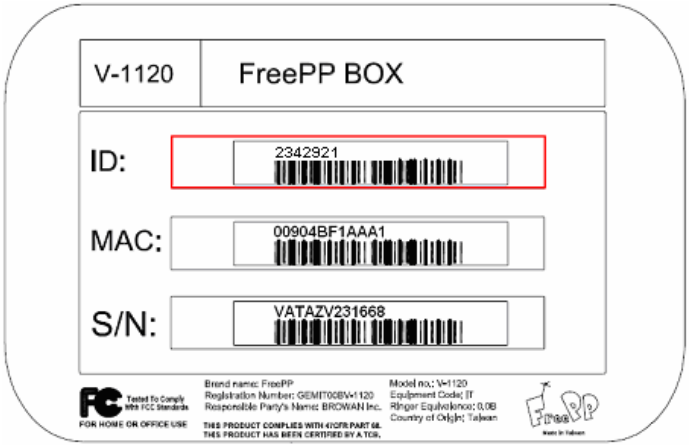
| | |
|---|---|
| ! | FreePP BOX 缺省为 DHCP 客户端 。 |

# 输入 BOX 的 FreePP 号码

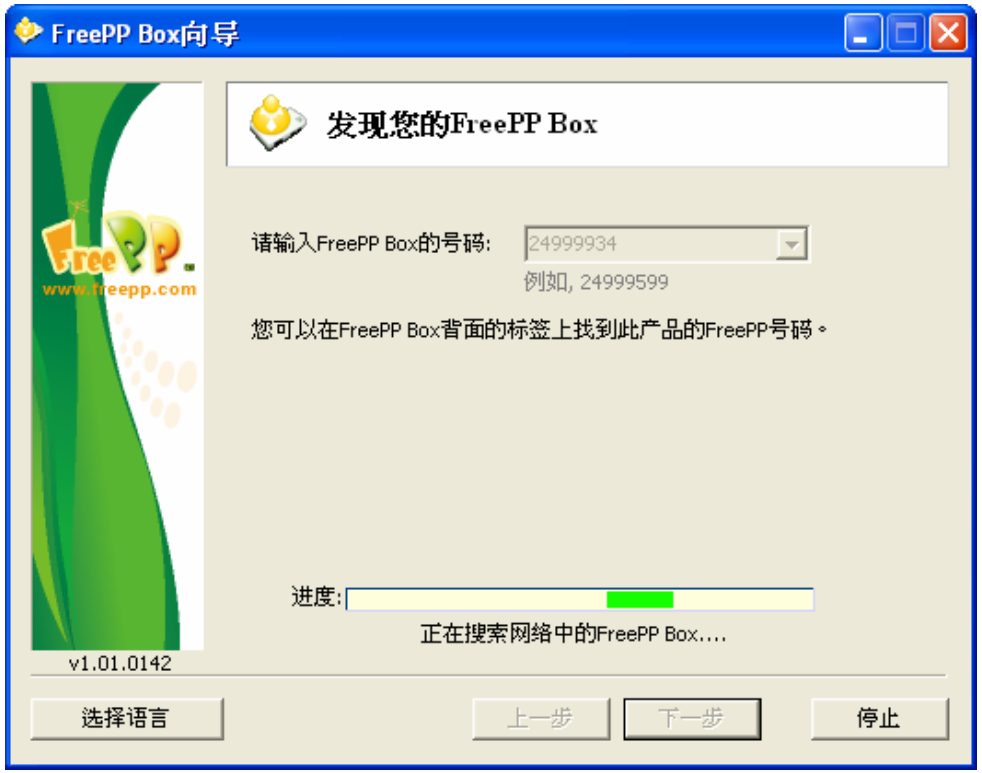
1. 输入 BOX 的 FreePP 号码。



2. 您可以在 FreePP BOX 背面的标签上找到此产品的 FreePP 号码。



3. 点击“下一步”，FreePP BOX Installer 会自动搜索 BOX。



4. 当搜索到 BOX，Installer 会显示 BOX 的当前设置。

# 您打算做什么？

BOX 向导可以进行以下四种设置：

1. 设置 FreePP Box 的基本参数
2. 更改 FreePP Box 密码
3. 升级 FreePP Box 的固件
4. 调节 FreePP Box 的音量

# 设置 FreePP Box 的基本参数 | 地区设置

1. 请选择您所在的地区。
2. **新增**与**删除**国际长途前置码与国内长途前置码
3. 根据您所在地区选择**阻抗**与**频率**

**FreePP 精灵拨号**

假如您想节省拨打国际电话或行动电话的费用，那么您应该使用 FreePP OUT 功能。通常 FreePP Out 的拨号方式为 00 国码 区码 电话号码，而选择 **FreePP 精灵拨号**后，可以让您不改变原本拨长途电话号码的习惯，直拨 区码 电话号码即可。拨号后您也会先听到系统播报您所剩余的点数，然后系统会再帮您接通。因此在您决定启动 FreePP 精灵拨号功能时，请正确地输入当地的区域设定。

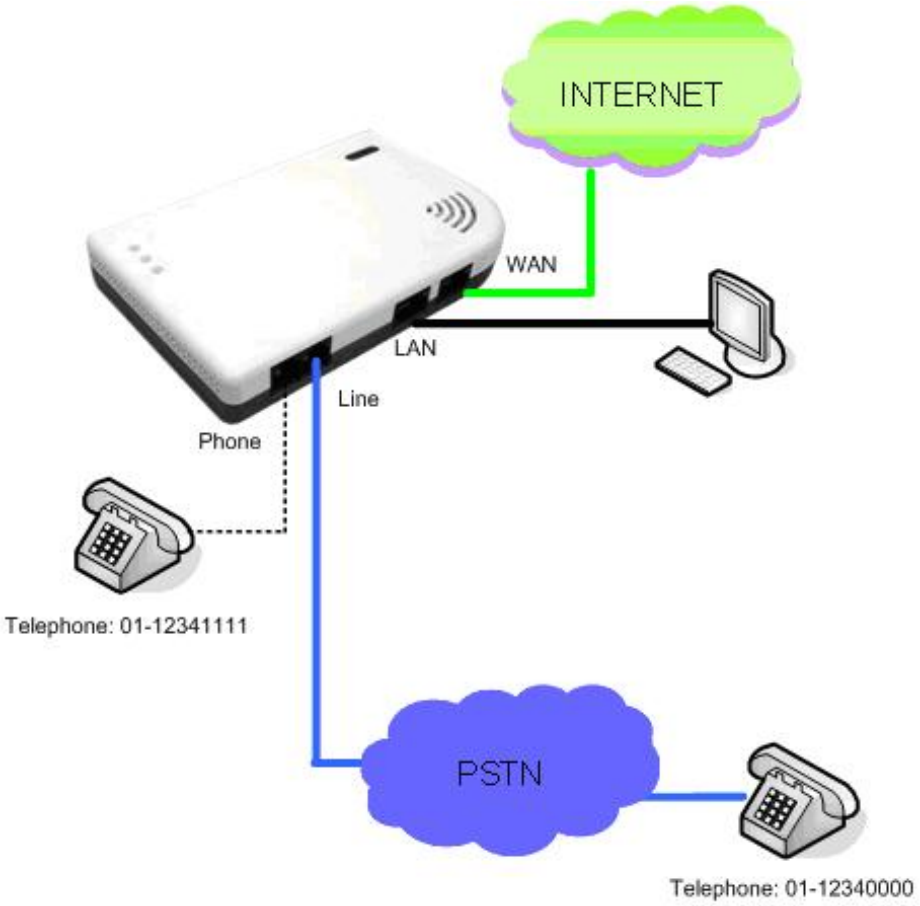
# Tone 学习程序

- **Tone 学习程序**的功能，主要是让您的 FreePP Box 可以学习如何辨识您所在地 Busy Tone 的设定。**Tone 学习程序**是建议使用的功能。

- 您有两种BOX的连接方式可用于测试设定**Tone学习程序**。

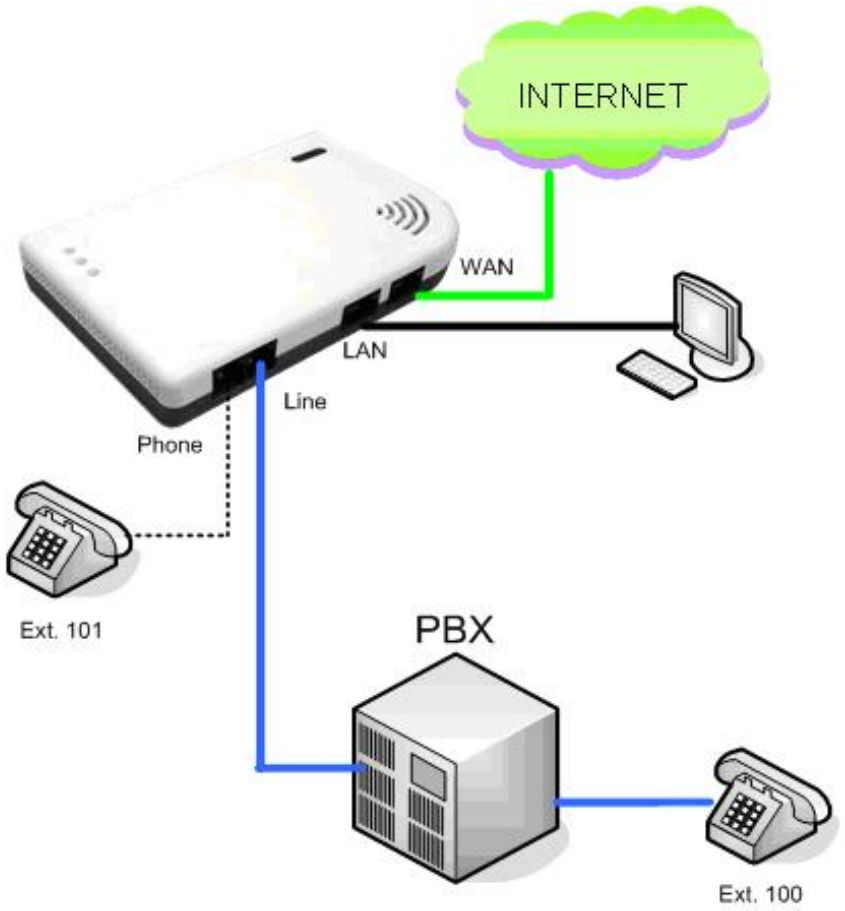
1、 固网连接图（PSTN）

如果您使用固网方式连接，在设定连接完成后，您可使用另一个固网电话号码拨打与您 Box 连接上固网电话号码（在右图的例子来说， 您可以使用 Telephone: 01-12340000 的固网电话号码，拨打給 Telephone: 01-12341111 另一个固网电话号码以进行设定动作)



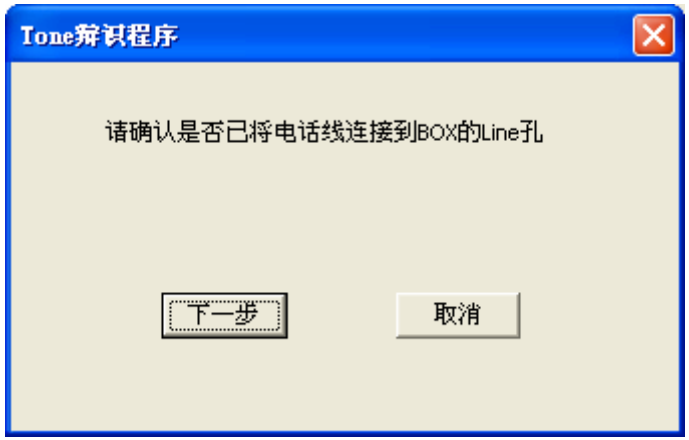
## 2、 专用交换分机连接图（PBX）

如果您使用**专用交换分机方式连接**，在设定连接完成后，您可使用另一个专用交换分机号码拨打与您 Box 连接上专用简化分机号码。（在右图的例子来说 您可以使用 Ext.100 的分机拨打给另一个 Ext.100 分机号码以进行设定动作）

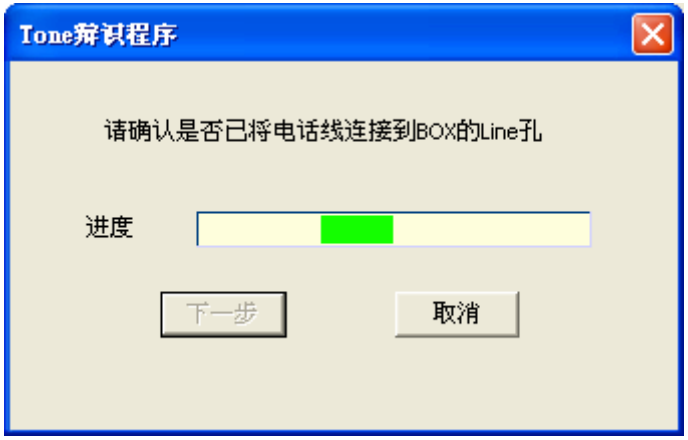


- 以下图文是 **Tone 学习程序**的设定步骤：

步骤 1：

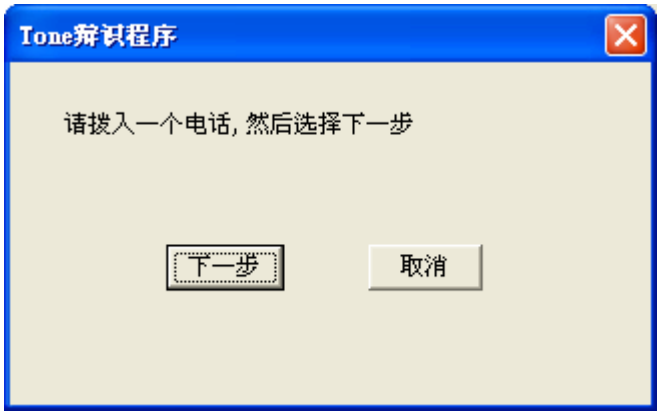



程序进行中：

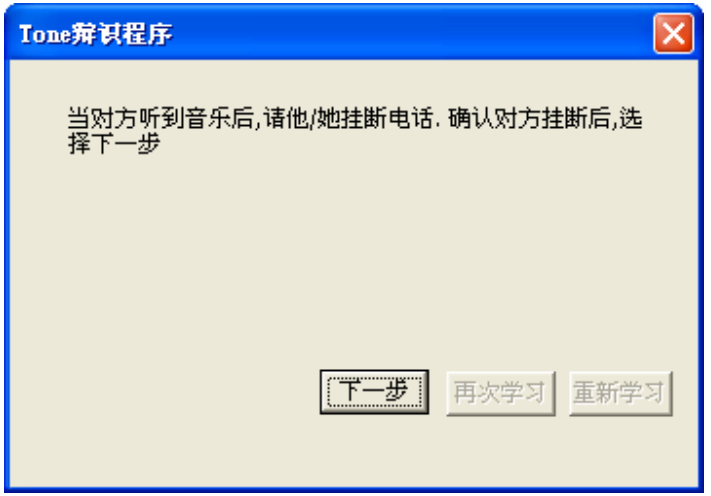


步骤 2：

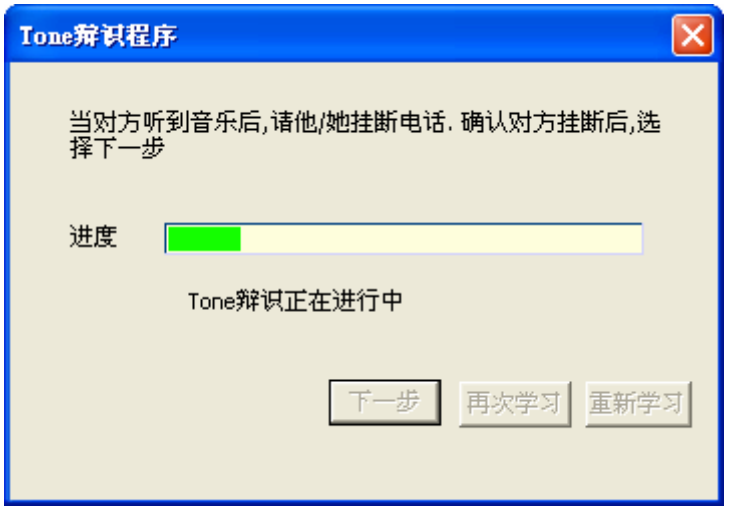
请使用另外一个固网（PSTN）或专用交换分机（PBX）号码，打进与您 Box 连上的电话号码。




步骤 3：

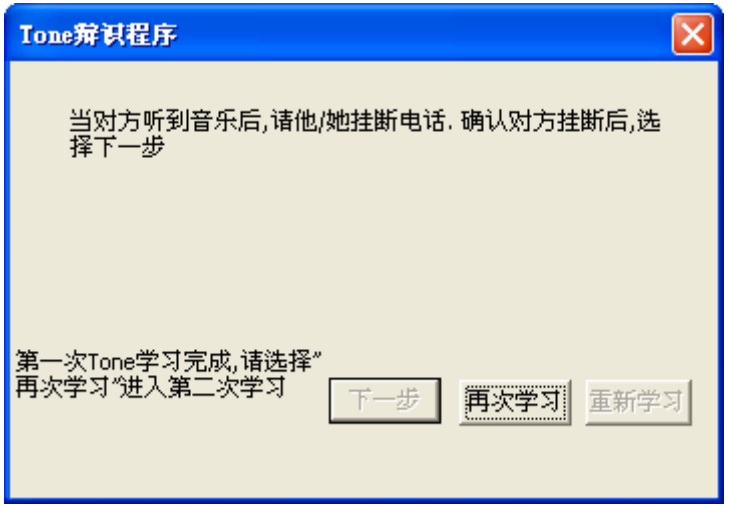


程序进行中：

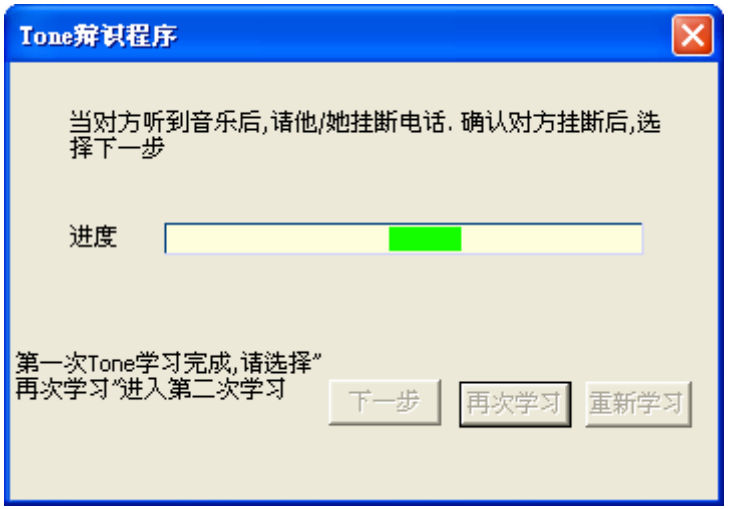



步骤 4：

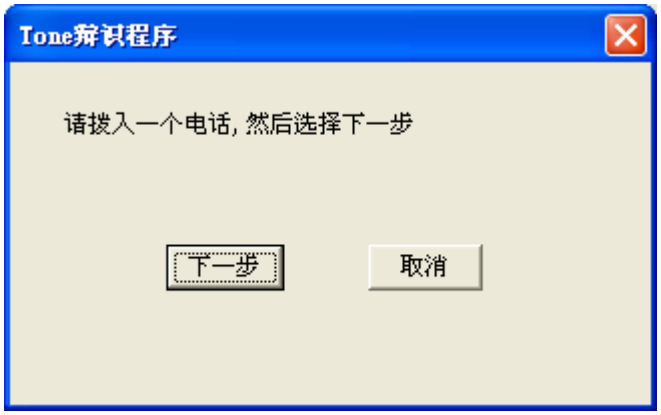
**第一次 Tone 学习程序**完成后，请按下**再次学习**以开始**第二次学习程序**。



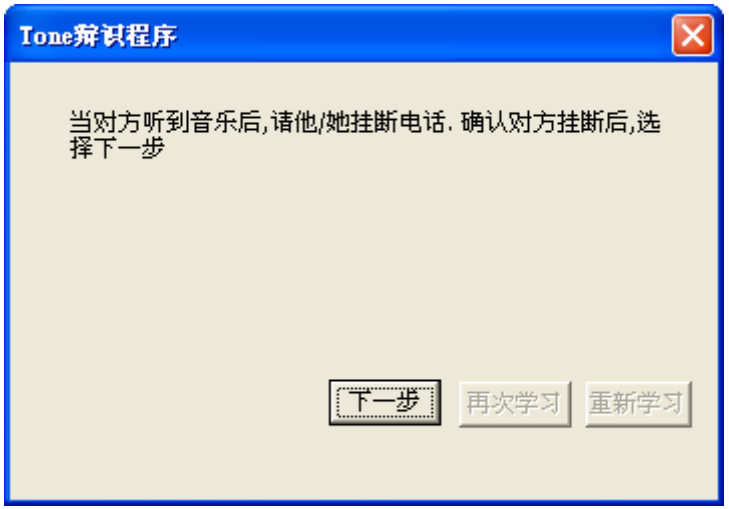
程序进行中：


Tone辩识程序
当对方听到音乐后,请他/她挂断电话. 确认对方挂断后,选择下一步
进度
第一次Tone学习完成,请选择"再次学习"进入第二次学习
下一步
再次学习
重新学习

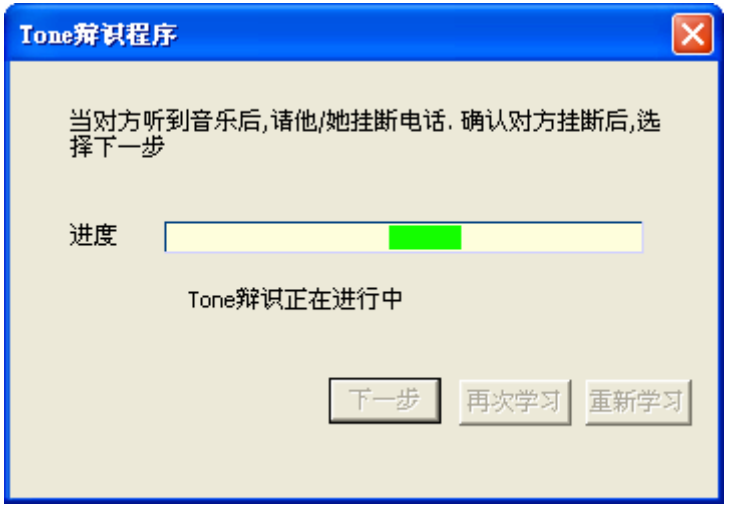
步骤 5：


Tone辩识程序
请拨入一个电话, 然后选择下一步
下一步
取消

步骤 6:

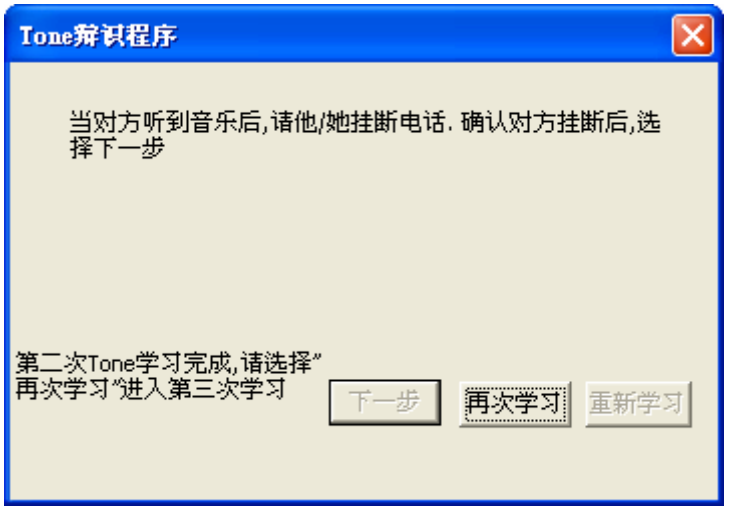

Tone辩识程序
当对方听到音乐后,请他/她挂断电话. 确认对方挂断后,选择下一步
下一步
再次学习
重新学习

程序进行中

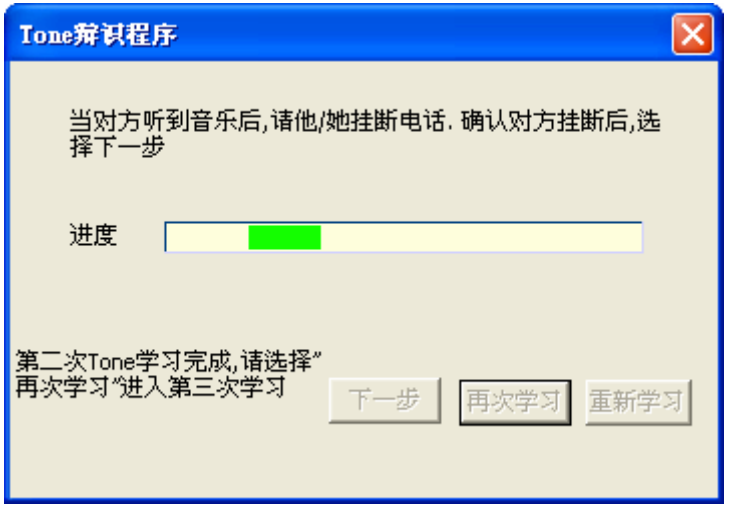

Tone辩识程序
当对方听到音乐后,请他/她挂断电话. 确认对方挂断后,选择下一步
进度
Tone辩识正在进行中
下一步
再次学习
重新学习

步骤 7:

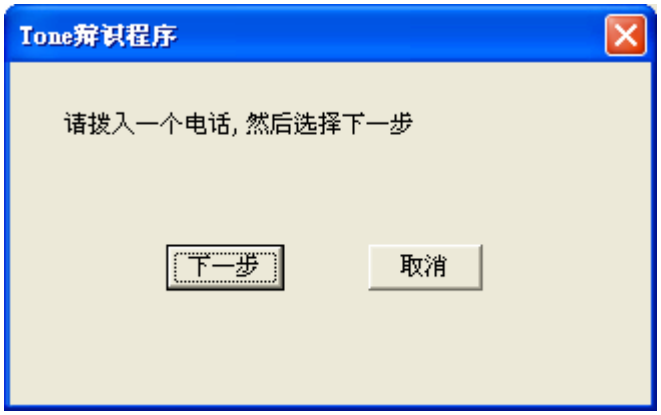
**第二次 Tone 学习程序**完成后，请按下**再次学习**以开始**第三次学习程序**。



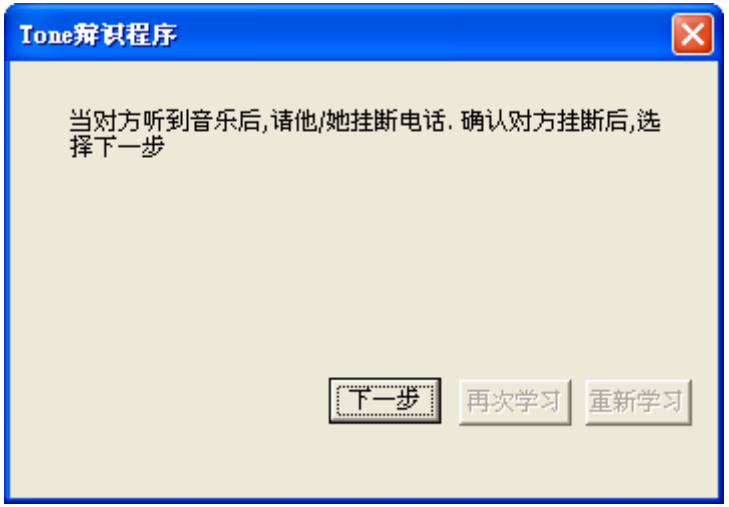

程序进行中



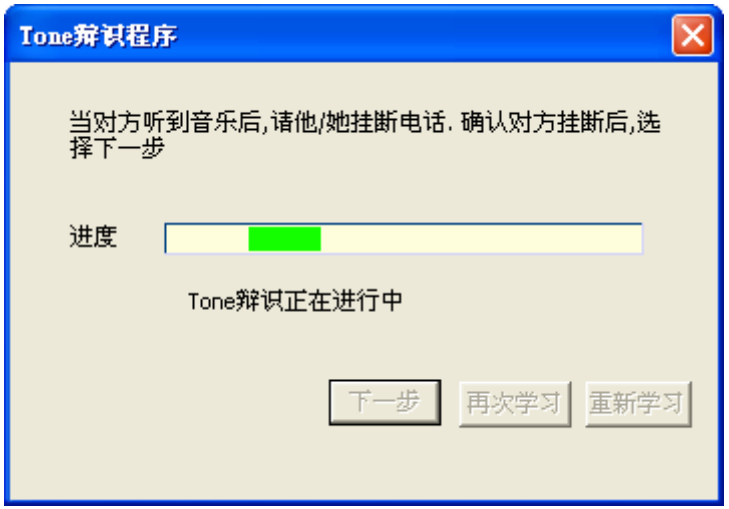
步骤 8:


Tone辩识程序
请拨入一个电话，然后选择下一步
下一步
取消

步骤 9:

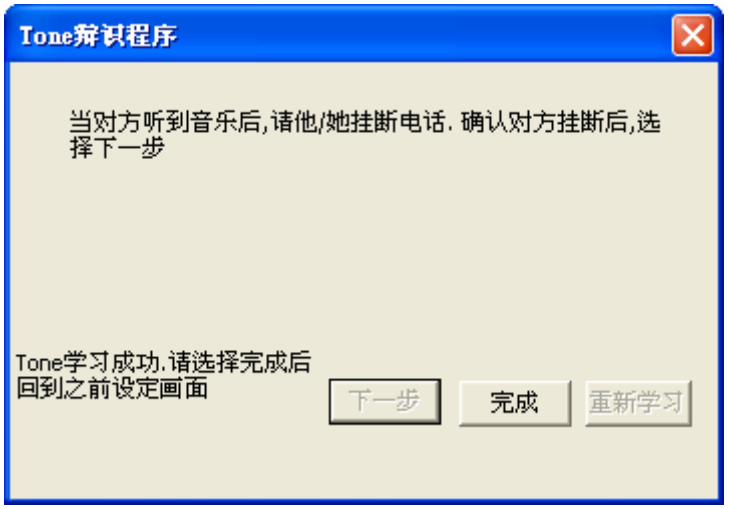

Tone辩识程序
当对方听到音乐后，请他/她挂断电话．确认对方挂断后，选择下一步
下一步
再次学习
重新学习

进行程序中

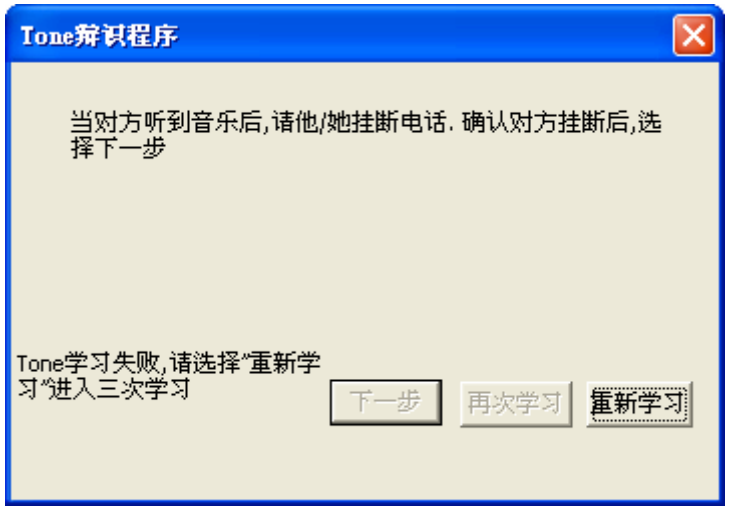



步骤 10:

**Tone 学习程序**完成后，按下 OK 后就可以退出辨识程序。

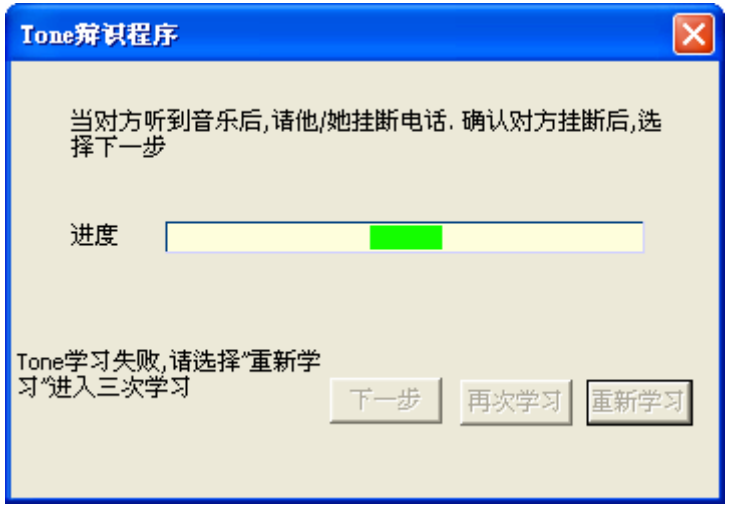


如果您无法完成 **Tone 学习程序**，请重新检查连接处，并按下**重新学习**，然后重新开始学习。




进行程序中

在您按下**重新学习**后，所有程序重新进行学习。



# 设置 FreePP Box 的基本参数 | 高级设置

为了您的方便，您可以在此输入一个属于 BOX 的**昵称**，这样您就可以了解在您**联系人**里的其它用户之**状态和信息**。

**使用 EG.711 语音编码:**

FreePP 可以根据带宽与网络条件动态使用不同的语音编码。**EG.711** 在网络条件较差的情况下，仍然能够提供较好的通话品质，但它会至少**占用 80Kbps 上传带宽**。

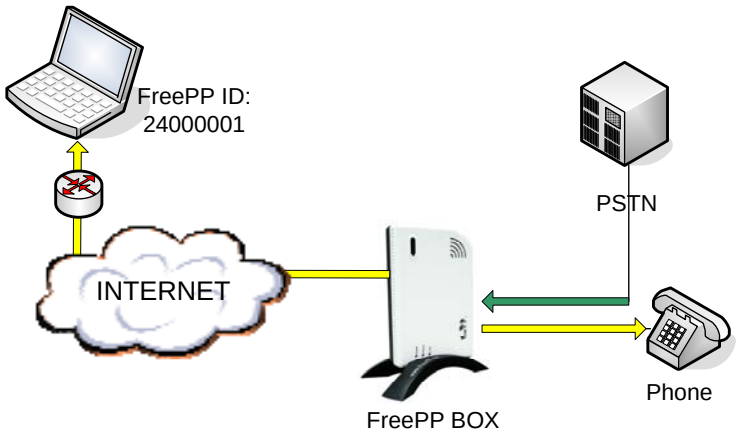
**CS 与 NS 服务器地址**，是让已经有 CS 与 NS 服务器地址用户进行设置和更改，而此项设置主要是提供给企业用户。

| | |
|---|---|
| i | BOX 状态： 上线状态(包括上线、忙碌和离开）、名称和 FreePP 号码。 |

# 设置 FreePP Box 的基本参数 | 电话转接设置

您可以点选此功能并输入 FreePP 号码，转接从固网电话线路的来电至您输入的 FreePP 号码。

（启动此功能后，当电话从固网来电时，此时话机与设定之 FreePP 号码都会响铃，先接通者则有通话权利，但当从 FreePP 网络来电时，则只有话机本身会响铃。）



# 设置 FreePP Box 的基本参数 | 选择 Internet 连接方式

**請選擇 BOX 連接 Internet 的方式：**

**使用局域网等永久性连接访问 Internet。**
这种连接通常无需用户名和密码且总是活动的，例如局域网。一般情况下，在办公室，教育和商务场所（例如：酒店）中的用户通过这种连接访问 internet。

**使用需要用户名和密码的宽带连接访问 Internet。**
这种连接通常用于 ADSL 宽带上网的家庭用户。您 ISP 可能将此连接称为 PPPoE。

# 设置 FreePP Box 的基本参数 | 选择 Internet 连接方式 | 使用局域网等永久性连接访问 Internet | 设定 IP 地址 | 自动取得 IP 地址

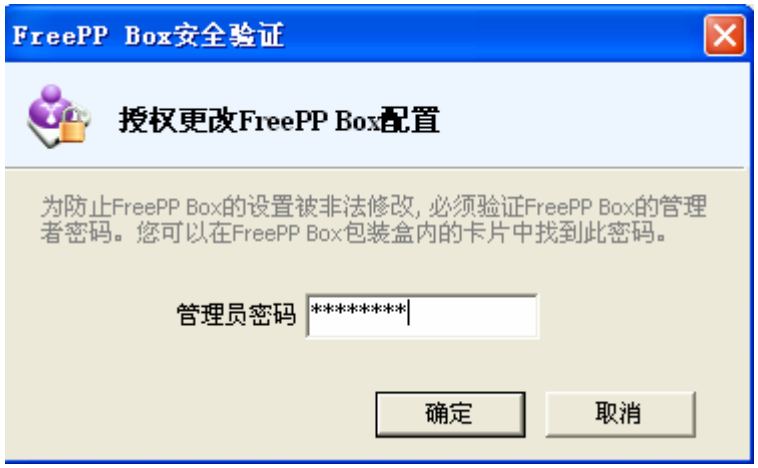
**自动取得 IP 地址 (DHCP Client)**

出厂默认值为 DHCP client。如果不知道网络环境设置为何，请保持此设置，现在大多数网络环境都是属于会自动指派 IP 的设置。此外，当 BOX 无法取得 IP 时，会自动使用曾经与 FreePP 服务器成功联机过的 IP 当作是本机现在的 IP，其智能设计会使用多组 IP 尝试着建立联机。

按**应用**以便新设置生效。

**FreePP BOX 安全验证**

输入密码以使得新设置生效。密码可以在包装盒内附的卡片上找到。




**更改设定成功**

当您成功设定且按下**完成**后，安装向导会显示变更的设置，并且会重新启动 BOX 使新设置生效。

.

**确定退出安装向导?**

按下**完成**后，会有个小窗口跳出。

如果您想退出，请按**确定**。

如果您想回到前一个窗口，请按**取消**。

# 设置 FreePP Box 的基本参数 | 选择 Internet 连接方式 | 使用局域网等永久性连接访问 Internet | 设定 IP 地址 | 固定 IP 地址

**使用固定 IP 地址**

输入已知的 IP 地址或连络网络系统管理员获得网络环境的设定值。

**启动路由器模式**

BOX 内建 DHCP server，可以指派 IP 地址给连接其 LAN 端口的计算机，充当 IP 分享器用。

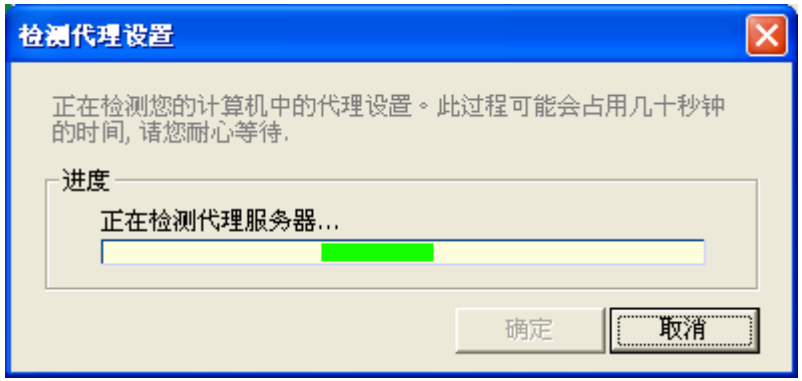
**使用代理服务器**

代理服务器介于客户端与 Web 服务器，作用为控制存取网页与节省存取网页的时间。如果欲存取网页的数据已超出期限或没有数据可供存取，代理服务器会复制一份网页数据在本机中。

代理服务器也会阻挡 FreePP 联机设定数据的传递与接收，因此会使得 FreePP BOX 与系统的联机受阻而导致某些加值功能无法使用。

安装向导提供两个代理服务器的安装设定：

1. 使用自动读取 IE 的设定，转换 IE 设定至 BOX。
2. 自行输入代理服务器的 IP 地址。



**FreePP BOX 安全验证**

输入密码以使得新设定生效。密码可以在包装盒内附的卡片上找到。

**更改设定成功**

当您成功设定且按下**完成**后，安装向导会显示变更的设定，并且会重新启动 BOX 使新设定生效。

**确定退出安装向导?**

按下**完成**后，会有个小窗口跳出。

如果您想退出，请按**确定**。

如果您想回到前一个窗口，请按**取消**。

| | |
|---|---|
| ! | 如果已使用自动取得 IP 地址 (DHCP Client)或固定 IP 地址都无法见到蓝色系统灯亮，请联络网络管理员以了解网络环境的设定。 |

# 设定 FreePP Box 的基本参数 | 选择 Internet 连接方式 | 使用需要用户名称和密码的宽带连接访问 Internet

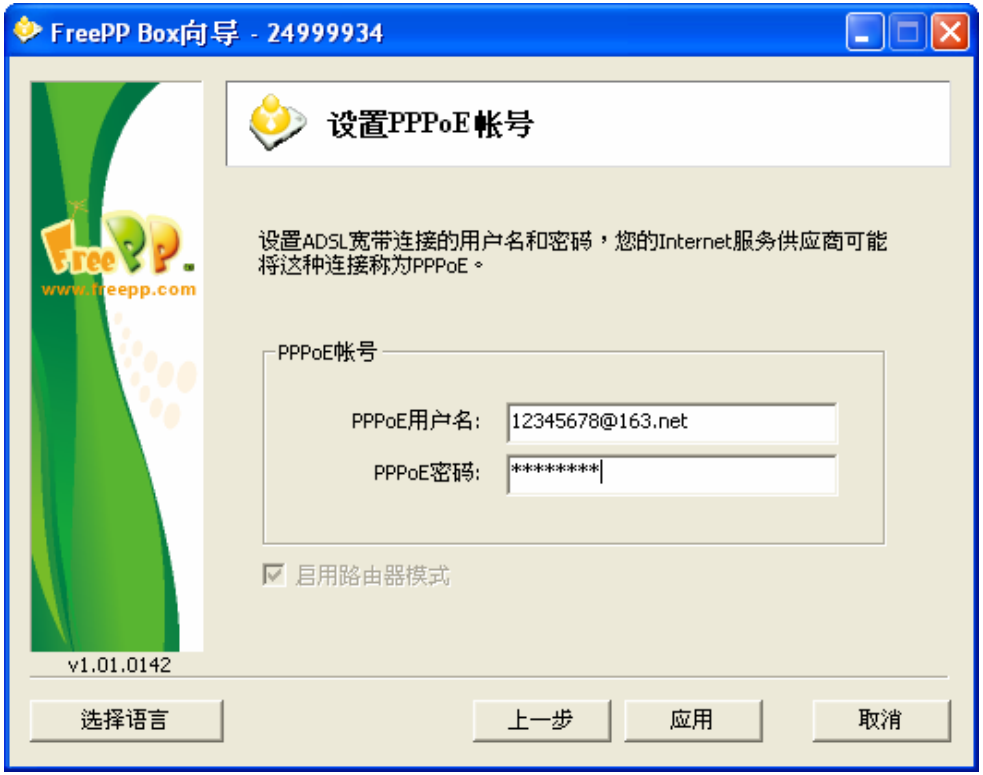
**PPPoE 账号**

**PPPoE** 全名为 **Point-to-Point Protocol over Ethernet**，常用于 ADSL 系统之中。输入用户名与密码后，按应用生效。

启动路由器模式(默认值)

BOX 内建 DHCP server，可以指派 IP 地址给连接其 LAN 端口的计算机，充当 IP 分享器用。

按**应用**后使新设定值生效。

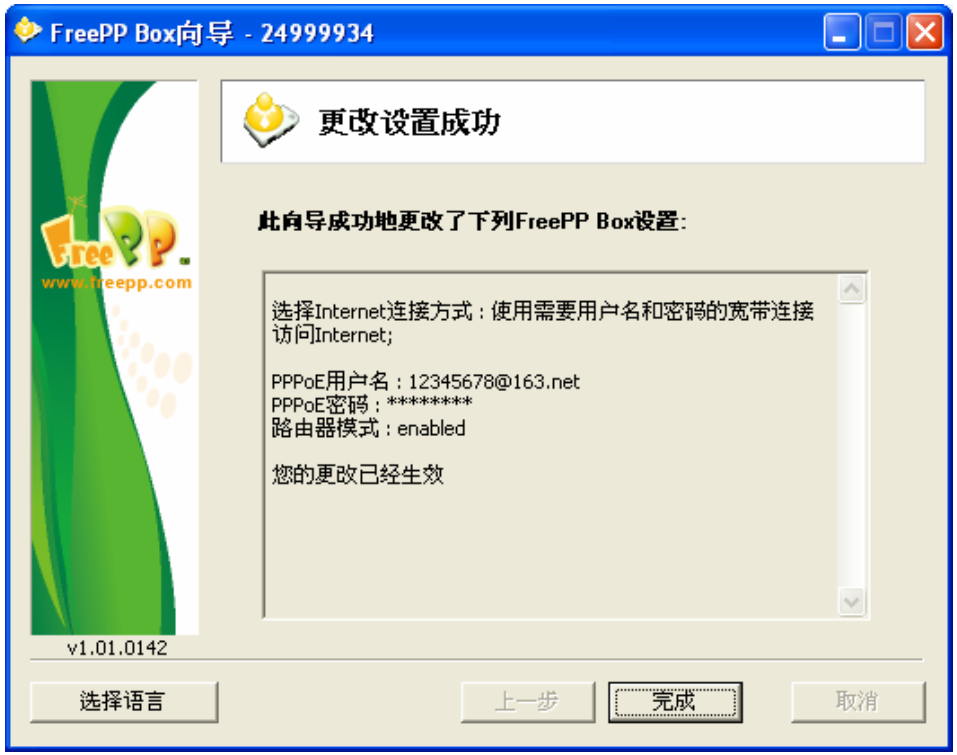


**FreePP BOX 安全验证**

输入密码以使得新设定生效。密码可以在包装盒内附的卡片上找到。

**更改设定成功**

当您成功设定且按下**完成**后，安装向导会显示变更的设定，并且会重新启动 BOX 使新设定生效。



**确定退出安装精灵?**

按下**完成**后，会有个小窗口跳出。

如果您想退出，请按**确定**。

如果您想回到前一个窗口，请按**取消**。

| | |
|---|---|
| | 某些 ISP 业者会提供 PPPoE 联机向导安装在计算机上，以便快速建立网络联机。但把使用者名称与密码输入到 BOX 后，BOX 后自动启动网络联机，就不需要再执行计算机上的 PPPoE 联机向导。 |

# 修改 FreePP BOX 的密码

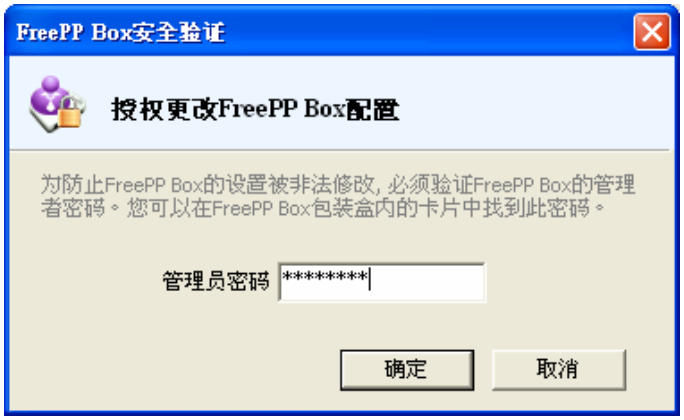
为防止未经授权人员随意修改 BOX 的设定，建议定期更换密码。

1. 新密码须为 **6 到 16 个阿拉伯数字**。
2. 不可使用英文字母或其它文字。
3. 按**应用**键使新设定值生效。

注意当 BOX 被还原至出厂值设定后，密码会也回复到出厂值。

**FreePP BOX 安全验证**

输入密码以使得新设定生效。密码可以在包装盒内附的卡片上找到。




**更改设定成功**

当您成功设定且按下**完成**后，安装向导会显示变更的设定，并且会重新启动 BOX 使新设定生效。

**确定退出安装向导?**

按下**完成**后，会有个小窗口跳出。

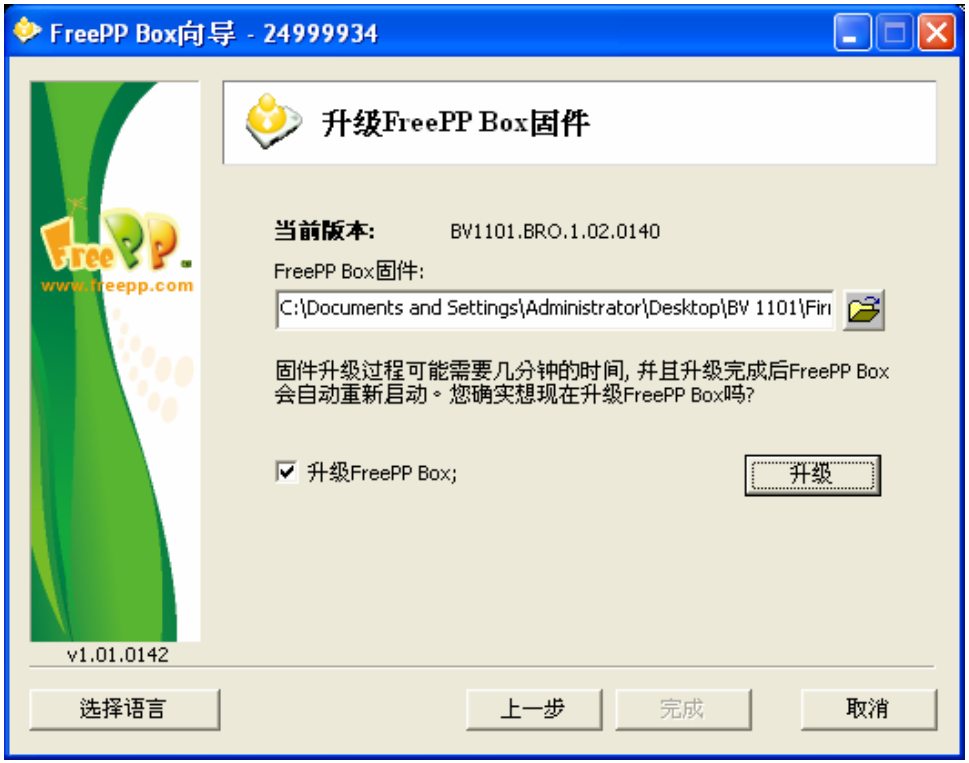
如果您想退出，请按**确定**。

如果您想回到前一个窗口，请按**取消**。

# 升级 FreePP Box 的固件

升级 FreePP Box 的固件以拥有最新的功能。

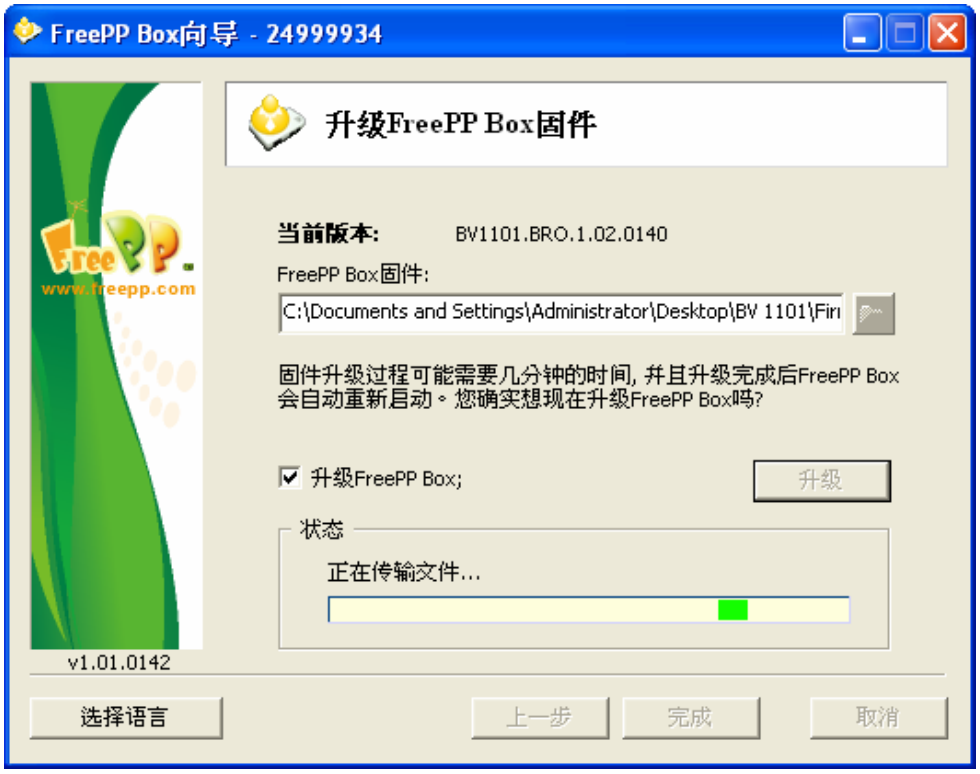
1. 请到 FreePP 网页内的 **HELP** 下载最新的 BOX 固件。
2. 指定新固件的路径后，选择我要**升级 FreePP BOX** 后，按升级键开始执行升级动作。



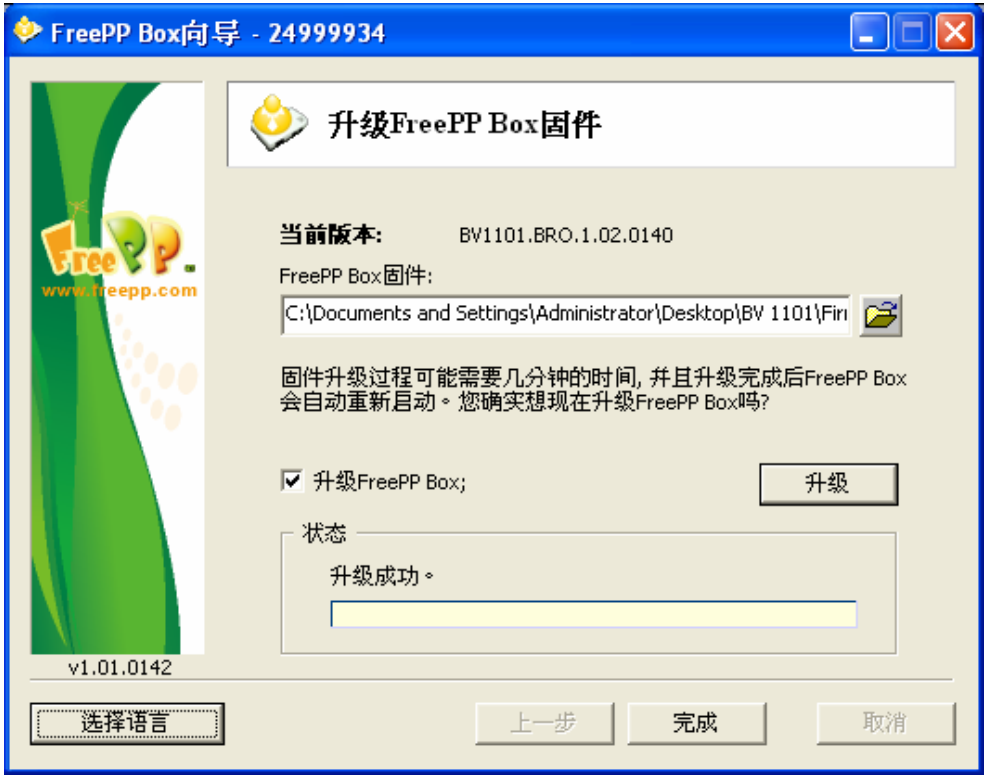
**FreePP BOX 安全验证**

输入密码以使得新设定生效。密码可以在包装盒内附的卡片上找到。

升级过程约需两分钟，请等待。



BOX 会自动重新启动并出现升级成功的信息。




**确定退出安装向导?**

按下**完成**后，会有个小窗口跳出。

如果您想退出，请按**确定**。

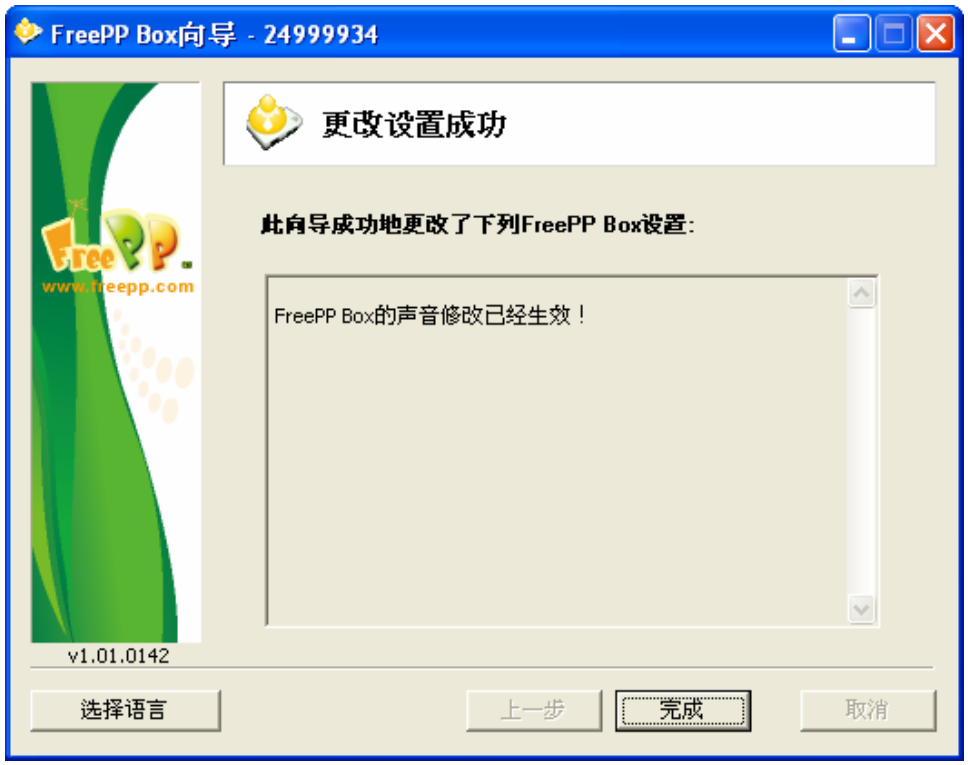
如果您想回到前一个窗口，请按**取消**。

# 调整 FreePP BOX 音量

调节音量: 经由移动以下滑动指示器，可以分别变更 Line 與 Phone 的音量。

**更改设定成功**

当您成功设定且按下**完成**后，安装向导会显示变更的设定，并且会重新启动 BOX 使新设定生效。

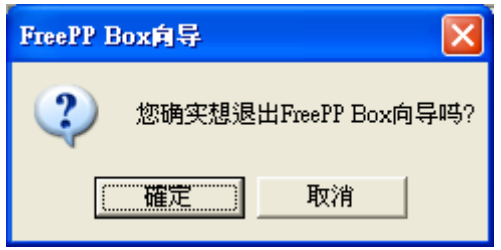



**确定退出安装向导?**

按下**完成**后，会有个小窗口跳出。

如果您想退出，请按**确定。**

如果您想回到前一个窗口，请按**取消**



# 第五章：通话

## 拨打 FreePP 网内电话

**如果 BOX 只连接电话机(Phone 接电话机，Line 未接电话线)**

1. 使用连接在 BOX 的 PHONE 口的电话，摘机，听到拨号音后，直接拨您的好友的 **FreePP 号码**。

**如果 BOX 有连接电话机与电话线(Phone 接电话机，Line 接电话线)**

1. 使用连接在 BOX 的 PHONE 口的电话，摘机，先拨拨号盘上的 * 键。
2. 听到拨号音后，再拨您的好友的 **FreePP 号码**。

| | |
|---|---|
| ! | FreePP 网内电话免费。 |

# 拨打 FreePP 网外电话 (FreePP Out)

拨打本地或长途电话时

**如果 BOX 只连接电话机(Phone 接电话机，Line 未接电话线)**

1. 使用连接在 BOX 的 PHONE 口的电话，摘机，听到拨号音
2. 拨 **00** 国家代码 地区代码 电话号码

**如果 BOX 有连接电话机与电话线(Phone 接电话机，Line 接电话线)**

1. 使用连接在 BOX 的 PHONE 口的电话，摘机，先拨拨号盘上的 * 键。
2. 再拨 **00** 国家代码 地区代码 电话号码

| | |
|---|---|
| ! | 请先了解 FreePP 拨打网外电话的费率。 |

# 拨打 PSTN 电话

拨打 PSTN 电话有两种途径：

1. 如果 BOX 的 LINE 口与 PSTN 网络连接，直接拨电话号码。

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| | 注意，使用本地电话服务业务的费用比使用 FreePP 网络电话费率高。 |

2. 如果 BOX 的 LINE 口没有连接 PSTN 网络，您可以参考如何拨打 FreePP 网外电话。

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| | 在您拨打网外电话之前，请先了解 FreePP 拨打网外电话的费率。 |

# 接听电话

当电话铃声响起时，摘机，通话。

# 转接固网 PSTN 电话至 FreePP 号码

设定转接从固网电话线路的来电到特定 FreePP 的号码

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| ! | 启动此功能后，当固网电话来电时，此时本机电话与设定之 FreePP 号码都会响铃，先接通者则享有通话权利。但当 FreePP 来电时，则只有本机电话会响铃 |

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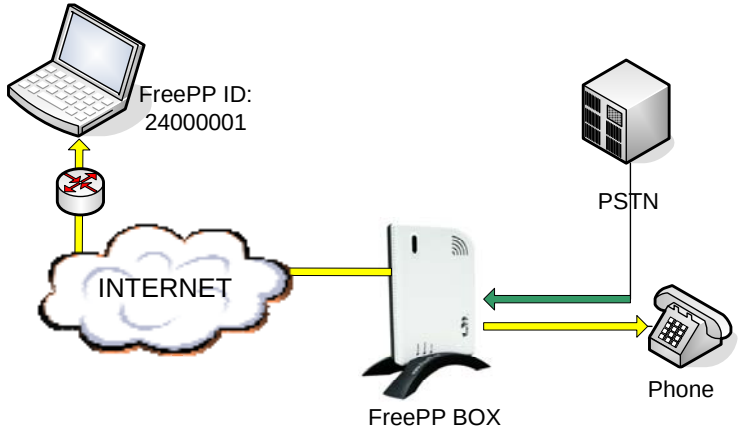
| ! | 請參考本手冊使用 FreePP 安装精灵设定**转接固网电话至 FreePP 号码**。<br>（设定 FreePP 的基本参数 \| 电话转接设定） |



# 第六章：FreePP 帐户

## 填写 FreePP 帐户的信用卡信息

1. 登录 FreePP 网站 http://www.freepp.com。
2. 进入“我的帐户”页面，登录到您的 FreePP 帐户内（输入 BOX 号码和密码）。
3. 点击<添加信用卡信息>进入“填写信用卡信息”页面。
4. 选择<充值卡帐户>或<信用卡帐户>，并分别进入相应的页面。

## 充值卡帐户

1. 输入充值密码（您可以在充值卡中找到该充值密码）。
2. 点击回车确认，并将这些金额充入您的 FreePP 号码

## 信用卡帐户

1. 选择您打算充入 FreePP 帐号的金额。
2. 确定后，该页面将被重定向到一个加密页面，在这个页面中输入您的信用卡号码和一些必须填写的信息。
3. 点击回车确认，并将这些金额充入您的 FreePP 号码。